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SURFACE OBSERVATION CLIMATIC SUMMARIES

FOR

GIEBELSTADT AAF, GERMANY

Prepared by

OL-A, USAFETAC
ASHEVILLE, NORTH CAROLINA
28801-2723

FEBRUARY 1990

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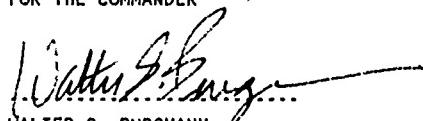
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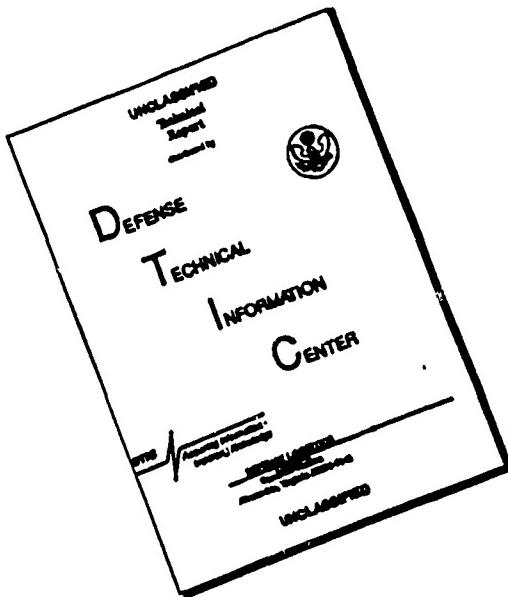
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REPORT DOCUMENTATION PAGE

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11. SUPPLEMENTARY NOTES: EFFECTIVE JULY 1 1988, THIS PRODUCT REPLACED TWO USAFETAC DOCUMENTS FORMERLY KNOWN AS THE REVISED UNIFORM SUMMARY OF SURFACE OBSERVATIONS (RUSSWO) AND THE LIMITED SURFACE OBSERVATIONS CLIMATIC SUMMARY (LISOCs). EXISTING RUSSWOS AND LISOCs WILL CONTINUE IN USE, BUT WILL EVENTUALLY BE BY A SOCS.

12A. DISTRIBUTION/AVAILABILITY STATEMENT: APPROVED FOR PUBLIC RELEASE, DISTRIBUTION IS UNLIMITED.

13. ABSTRACT: SURFACE OBSERVATION CLIMATIC SUMMARIES (SOCS) PROVIDE STATISTICAL CLIMATIC SUMMARIES OF SURFACE WEATHER OBSERVATIONS TAKEN AND RECORDED AT SPECIFIED USAF, CIVILIAN AND FOREIGN OBSERVING STATIONS. HOURLY OBSERVATIONS ARE SUMMARIZED FROM A 10-YEAR PERIOD OF RECORD (POR). "SUMMARY OF DAY" (SOD) INFORMATION IS SUMMARIZED FROM ALL AVAILABLE DATA IN THE OL-A, USAFETAC CLIMATIC DATABASE.

14. SUBJECT TERMS: CLIMATOLOGY, METEOROLOGICAL DATA, ATMOSPHERIC PHENOMENA, WEATHER, SOCS, Ceilings, Atmospheric, Barometric, Atmospheric, GIEBELSTADT AAF, GERMANY, CEILING, CLOUD COVER, SNOW DEPTH, HUMIDITY, PRESSURE, PRECIPITATION, SNOW, TEMPERATURE, VISIBILITY, WIND,

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PREFACE

EFFECTIVE 1 JULY 1988, THE SURFACE OBSERVATION CLIMATIC SUMMARIES (SOCS) REPLACED TWO OTHER USAFETAC PRODUCTS OF LONG STANDING: THE RUSSWO (REVISED UNIFORM SUMMARY OF SURFACE WEATHER OBSERVATIONS) AND LISOCS (LIMITED SURFACE OBSERVATION CLIMATIC SUMMARY). RUSSWOS AND LISOCS NOW IN EXISTENCE WILL CONTINUE TO BE USED UNTIL THEY ARE EVENTUALLY REPLACED BY SOCS.

THIS PRODUCT HAS BEEN ISSUED IN OTHER FORMS UNDER SEVERAL OTHER NAMES. IT WAS INTRODUCED IN THE EARLY 1940'S AS THE "SFCSUM," OR "SURFACE SUMMARY." THE ORIGINAL "RUSSWO," OR "UNIFORM SUMMARY OF SURFACE WEATHER OBSERVATIONS," DEBUTED IN 1946. THE RUSSWO GRADUALLY EVOLVED INTO THE "RUSSWO" AND THE "LISOCS." IT FINALLY BECAME THE NEW "SURFACE OBSERVATION CLIMATIC SUMMARIES" OR "SOCS" IN JULY 1988.

THE SOCS (LIKE ITS PREDECESSORS) IS PREPARED BY USAFETAC'S OPERATING LOCATION A AT ASHEVILLE, NC 28801-2723. HERE, CLIMATOLOGISTS USE STATE-OF-THE-ART COMPUTER TECHNOLOGY TO SUMMARIZE WEATHER OBSERVATIONS COLLECTED FROM SELECTED MILITARY, CIVILIAN, AND FOREIGN REPORTING STATIONS. SUMMARIES ARE PREPARED FROM DATA THAT HAS BEEN COLLECTED, QUALITY-CONTROLLED, AND STORED IN OL-A'S WORLDWIDE SURFACE WEATHER OBSERVATION DATABASE.

ALTHOUGH PREVIOUS VERSIONS OF THIS PRODUCT ONLY OFFERED SIX PARTS, SOCS PROVIDES EIGHT (A-H). THE ADDITIONS ARE THE CROSSWIND AND HEATING-COOLING DEGREE DAY SUMMARIES. PRECEDING EACH PART IS A BRIEF DISCUSSION OF THAT PARTICULAR PART, A DESCRIPTION OF THE DATA, AND AN EXPLANATION OF HOW THE DATA IS PRESENTED.

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INTRODUCTION

STATION PERIOD OF RECORD.

HOURLY OBSERVATIONS: OCT 80 - SEP 89 (METAR).

SUMMARY OF DAY DATA: AUG 46 - DEC 47, OCT 56 - APR 60, OCT 80 - SEP 89 (PART TIME).

HOURS SUMMARIZED: PRIMARY 0600 LST THROUGH 2200 LST.

DATA SOURCES. THESE SUMMARIES ARE COMPILED FROM "HOURLY OBSERVATIONS" AND/OR SUMMARY OF DAY DATA," DEPENDING ON THE PHENOMENA OR OCCURRENCE BEING SUMMARIZED. THE TWO SOURCES ARE DEFINED IN "TERMS EXPLAINED."

TERMS EXPLAINED:

BIVARIATE DISTRIBUTION: A BIVARIATE DISTRIBUTION GIVES THE JOINT DISTRIBUTIONS OF TWO RELATED VARIABLES. AN EXAMPLE IS THE BIVARIATE DISTRIBUTION OF CEILING AND VISIBILITIES IN PART D. EACH ROW AND EACH COLUMN OF A BIVARIATE DISTRIBUTION IS A FREQUENCY DISTRIBUTION. JOINT FREQUENCIES ARE FOUND AT THE ROW-COLUMN INTERSECTIONS.

HOURLY OBSERVATIONS: ALL RECORD OR RECORD-SPECIAL OBSERVATIONS ON AWS FORMS 10/10A (OR EQUIVALENT) AT SCHEDULED HOURLY INTERVALS.

SUMMARY OF DAY (SOD) DATA: DATA COMPILED FROM ALL AVAILABLE OBSERVATIONAL SOURCES, INCLUDING HOURLY OBSERVATIONS, SPECIAL OBSERVATIONS, REMARKS, AND ACTUAL "SUMMARY OF DAY" DATA RECORDED IN COLUMNS 44-73 OF AWS FORMS 10/10A (OR EQUIVALENT) FOR ANY GIVEN DAY. NOTE: EXTREMES OCCURRING DURING NON-OPERATIONAL HOURS AND/OR DAYS ARE NOT REFLECTED IN THESE SUMMARIES.

MEAN: THE SUM OF ALL THE VALUES DIVIDED BY THE NUMBER OF VALUES.

MEASURABLE AMOUNT: ANY PRECIPITATION OR SNOWFALL AMOUNT GREATER THAN A TRACE.

MEDIAN: THE MIDDLE VALUE WHEN THE VALUES ARE IN ASCENDING ORDER. IF THE NUMBER OF VALUES IS EVEN, THE MEDIAN IS HALFWAY BETWEEN THE TWO MIDDLE VALUES.

PERCENT OCCURRENCE FREQUENCY (POF): IN STATISTICS, FREQUENCY IS THE NUMBER OF TIMES A GIVEN COUNT OR EVENT OCCURS. IN THE SOCS, THIS IS EXPRESSED AS THE PERCENT OCCURRENCE FREQUENCY (POF), WHERE THE FREQUENCY (NUMBER OF OCCURRENCES) IS GIVEN AS A PERCENT OF ALL POSSIBLE OCCURRENCES IN THE SAMPLE (PERIOD SUMMARIZED). FOR EXAMPLE, IF SNOW FELL ON 5 OUT OF 100 DAYS WE COULD EXPRESS THE "PERCENT OCCURRENCE FREQUENCY" OF SNOW AS 5 PERCENT OVER THE 100-DAY PERIOD. MAY BE USED INTERCHANGEABLY WITH "PERCENT FREQUENCY OF OCCURRENCE."

PERIOD OF RECORD: THE SIZE OF THE OBSERVATIONAL DATA SAMPLE, IN YEARS.

PRECIPITATION: A TERM THAT INCLUDES BOTH LIQUID PRECIPITATION AND WATER EQUIVALENT.

STANDARD DEVIATION: A MEASURE OF DISPERSION ON THE VARIABILITY OF THE QUANTITY CONCERNED ABOUT ITS ARITHMETIC MEAN. THE LARGER THE STANDARD DEVIATION, THE GREATER THE VARIABILITY.

TIME CONVENTIONS: ALL TIMES IN THE SOCS ARE EXPRESSED IN LOCAL STANDARD TIME (LST). USERS SHOULD MAKE ADJUSTMENTS FOR DAYLIGHT SAVING TIMES IN THEIR AREAS. IN SUMMARIES THAT SHOW DIURNAL VARIATIONS, THE DATA IS SUMMARIZED USING THE FOLLOWING STANDARD 3-HOUR PERIODS (ALL LST):

0000-0200	1200-1400
0300-0500	1500-1700
0600-0800	1800-2000
0900-1100	2100-2300

NOTE 1. DURING PART TIME PERIODS, THE FIRST AND LAST 3-HOUR PERIODS MAY HAVE SIGNIFICANT SHORTFALLS IN OBSERVATION COUNTS.

ABBREVIATIONS USED:

AMT	AMOUNT	LT	LESS THAN
ANN	ANNUAL	M	METER
BARO	BAROMETER	MB	MILLIBAR
C	CENTIGRADE (CELSIUS)	MPS	METERS PER SECOND
DEG	DEGREE	MSL	MEAN SEA LEVEL
DB	DRY BULB TEMPERATURE	MEAS	MEASURABLE
DP	DEW POINT TEMPERATURE	NO.	NUMBER
EQ	EQUAL	OBS	OBSERVATION
F	FAHRENHEIT	OBST	OBSTRUCTION
FRZG	FREEZING	POF	PERCENT OCCURRENCE FREQUENCY
FT	FEET	PRECIP	PRECIPITATION
GE	GREATER THAN OR EQUAL TO	SD	STANDARD DEVIATION
GMT	GREENWICH MEAN TIME	SOD	SUMMARY OF DAY
GT	GREATER THAN	TEMP	TEMPERATURE
HG	INCHES OF MERCURY	TSTM	THUNDERSTORM
HT	HEIGHT	VSBY	VISIBILITY
KTS	KNOTS	VSN	VISION
LE	LESS THAN OR EQUAL TO	WB	WET BULB TEMPERATURE
LST	LOCAL STANDARD TIME	WBAN	AWS FORM 10/10A
		UTC	*COORDINATED UNIVERSAL TIME

SUMMARY DESCRIPTION: A BRIEF DESCRIPTION OF THE DATA PRECEDES EACH PART IN THE SOCS.

* UTC REPLACED GMT ON 1 AUGUST 1988

STATION NO. ON SUMMARY 106530	STATION NAME GIEBELSTADT AIN, GERMANY	LATITUDE N 49 39	LONGITUDE E 009 58	FLD ELEV (FT) 979	CALL SIGN EDEU	WMO NMBR
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STATION LOCATION AND INSTRUMENTATION HISTORY

Nmbr of Loc	GEOGRAPHICAL LOCATION & NAME	Type of Station	At This Location From	At This Location To	LATITUDE	LONGITUDE	Elev Above MSL FLD (FT)	Elev Above MSL BARO (FT)	OBS PER DAY
1	Giebelstadt AIN, Germany	AAF	Aug 46	Jan 48	N 49 40	E 009 53	N/A	995	24
2	Same	Rng	May 54	Jan 55	N/A	N/A	N/A	N/A	18
3	Same(Station reopened)	AAF	Oct 56	Jan 57	N 49 39	E 009 58	985	1019	24
4	Same	AAF	Feb 57	May 60	Same	Same	Same	Same	15
5	Same(Station reopened)	AIN	Oct 80	Jan 88	Same	Same	979	1012	16

Act Aug 46 Deact Jan 47
 " Jun 47 " Dec 47
 " May 54 " Jan 55
 " Oct 56 " May 60
 " Oct 80

Nmbr of Loc	Date of Change	SURFACE WIND EQUIPMENT INFORMATION				REMARKS, ADDITIONAL EQUIP- MENT, OR REASON FOR CHANGE
		LOCATION	TYPE OF TRANSMITTER	TYPE OF RECORDER	HT ABOVE GROUND	
1	Aug 46	Control tower	Anemometer	None	31 ft	
2	Sep 46	2nd floor center Hq building	Same	None	54 ft	
3	Oct 56	Atop ROS midway of rnwy	AN/GMQ-1	None	52 ft	
4	Oct 80	Near E end of rnwy	AN/GMQ-20	RO-362	13 ft	
5	Jan 88	Same	Same	Same	Same	Winds taken from AACs tower, midway of rnwy from 10 Apr--9 May 58 due to rebuilding of ROS.

PPPPPPPP	AAAAAA	RRRRRRR	TTTTTTTTT	AAAAAA
PPPPPPPPP	AAAAAAA	RRRRRRRR	TTTTTTTTT	AAAAAAA
PP PP	AA AA	RR RR	TT	AA AA
PP PP	AA AA	RR RR	TT	AA AA
PPPPPPPPP	AA AA	RRRRRRRR	TT	AA AA
PPPPPPPP	AAAAAAA	RRRRRRR	TT	AAAAAAA
PP	AAAAAAA	RR RR	TT	AAAAAAA
PP	AA AA	RR RR	TT	AA AA
PP	AA AA	RR RR	TT	AA AA
PP	AA AA	RR RR	TT	AA AA

PART A

ATMOSPHERIC PHENOMENA SUMMARIES

THIS PART SUMMARIZES SPECIFIED ATMOSPHERIC PHENOMENA IN CATEGORIES AS FOLLOWS:

THUNDERSTORMS: ALL REPORTED OCCURRENCES OF THUNDERSTORMS, TORNADOES, AND WATERSPOUTS.

LIQUID PRECIPITATION: RAIN OR DRIZZLE FALLING TO THE GROUND BUT NOT FREEZING.

FREEZING PRECIPITATION: FREEZING RAIN OR FREEZING DRIZZLE (GLAZE).

FROZEN PRECIPITATION: SNOW, SNOW PELLETS, SLEET, SNOW GRAINS, ICE CRYSTALS, ICE PELLETS. IN JANUARY 1968, SNOW PELLETS BECAME KNOWN AS SMALL HAIL.

HAIL: ALL OCCURRENCES OF HAIL.

ALL PRECIPITATION: INCLUDES ALL OBSERVATIONS REPORTING PRECIPITATION. BECAUSE MORE THAN ONE TYPE OF PRECIPITATION MAY BE INCLUDED IN THE SAME OBSERVATION, THE SUM OF PERCENTAGES IN THE INDIVIDUAL CATEGORIES MAY EXCEED THE PERCENTAGES IN THIS CATEGORY.

FOG: INCLUDES ALL REPORTED FOG, ICE FOG, AND GROUND FOG.

SMOKE AND/OR HAZE: SMOKE, HAZE, OR COMBINATIONS OF THE TWO.

BLOWING SNOW: ALL REPORTS OF BLOWING SNOW, INCLUDING DRIFTING SNOW, WHEN REPORTED.

DUST AND/OR SAND: DUST, SAND, BLOWING DUST, BLOWING SAND, OR COMBINATIONS OF THESE.

BLOWING SPRAY: THE "ALL OBSTRUCTIONS TO VISION" CATEGORY ACCOUNTS FOR BLOWING SPRAY, IF AND AS REPORTED.

ALL OBSTRUCTIONS TO VISION: THIS CATEGORY INCLUDES ALL REPORTS OF OBSTRUCTIONS TO VISION. SINCE THE OCCURRENCE OF MORE THAN ONE OBSTRUCTION TO VISION MAY BE REPORTED IN THE SAME OBSERVATION, THE SUM OF THE PERCENTAGES IN THE INDIVIDUAL CATEGORIES MAY EXCEED THE PERCENTAGES IN THIS CATEGORY.

SPECIFIED PHENOMENA--PERCENT OCCURRENCE FREQUENCY.

THESE TABLES GIVE THE PERCENT OCCURRENCE FREQUENCY (POF) FOR THE ATMOSPHERIC PHENOMENA SHOWN. THE DATA WAS TAKEN FROM HOURLY OBSERVATIONS ONLY, AND IS SUMMARIZED AS FOLLOWS:

- BY EIGHT 3-HOUR STANDARD TIME PERIODS FOR EACH MONTH (ALL YEARS COMBINED).
- BY MONTH (ALL YEARS AND ALL HOURS COMBINED).
- BY YEAR (ALL YEARS AND ALL HOURS COMBINED).

SPECIFIED PHENOMENA--PERCENT OCCURRENCE FREQUENCY (POF).

THIS TABLE IS THE ONLY ONE IN PART A THAT IS PRODUCED FROM SUMMARY OF DAY DATA. DATA IS SUMMARIZED MONTHLY AND ANNUALLY FOR ALL YEARS COMBINED.

THUNDERSTORMS--PERCENT OCCURRENCE FREQUENCY.

THIS TABLE GIVES THE PERCENT OCCURRENCE FREQUENCY OF THUNDERSTORMS REPORTED ON THE HOURLY OBSERVATION. DATA IS SUMMARIZED SAME AS FOR FIRST TABLE IN THIS PART.

SPECIFIED PHENOMENA VS WIND DIRECTION--PERCENT OCCURRENCE FREQUENCY.

THESE TABLES INCLUDE SUMMARY OF MONTH FOR ALL HOURS AND YEARS COMBINED. WIND DIRECTION CATEGORIES ARE AS SPECIFIED BY THE LOCAL WEATHER STATION.

NOTE 1: REPORTING PRACTICES HAVE CHANGED WITH TIME. METAR AND SYNOPTIC REPORTING STATIONS RECORD (ON AWS FORMS 10/10A) AND TRANSMIT LONGLINE ONLY THE HIGHEST ORDER ATMOSPHERIC PHENOMENA THAT AFFECTS VISIBILITY. METAR STATIONS STARTED THIS PROCEDURE IN JANUARY 1968, BUT SYNOPTIC STATIONS ALWAYS DID IT THAT WAY. IN JANUARY 1970, METAR STATIONS STARTED RECORDING ALL ATMOSPHERIC PHENOMENA THAT AFFECTED VISIBILITY, BUT CONTINUED TO TRANSMIT ONLY THE HIGHEST ORDER. FOR EXAMPLE, IF THE RECORDED OBSERVATION INCLUDED RAIN, FOG AND HAZE, ONLY THE RAIN WAS TRANSMITTED. BECAUSE OF THESE PROCEDURES, THE USAFETAC DATABASE WOULD SHOW ONLY RAIN AS AN OBSTRUCTION. THEREFORE, THE OBSTRUCTION TO VISION (AND TO A LESSER EXTENT, PRECIPITATION) SUMMARIES FOR METAR AND SYNOPTIC STATIONS ARE HIGHLY QUESTIONABLE.

NOTE 2: FOREIGN METAR REPORTING STATIONS FREQUENTLY DO NOT TRANSMIT OBSTRUCTIONS TO VISION WHEN VISIBILITIES EXCEED 1000 METERS.

NOTE 3: A VALUE OF ".0" IN ANY SUMMARY REPRESENTS ONE OR MORE OCCURRENCES THAT, IN AGGREGATE, AMOUNT TO LESS THAN .05 PERCENT.

NOTE 4: DURING PART TIME PERIODS, THESE TABLES MAY NOT ACCURATELY REFLECT NIGHTTIME AND/OR WEEKEND OCCURRENCES OF CERTAIN PHENOMENA.

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF HOURS WITH VARIOUS ATMOSPHERIC PHENOMENA
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106530 STATION NAME: GIEBELSTADT AAF GERMANY PERIOD OF RECORD: OCT 80 - SEP 89
LST TO UTC: - 1 MONTH: JAN

HOURS (LST)	TSTMS	LIQUID PRECIP	FREEZ PRECIP	FROZEN PRECIP	HAIL	ALL PRECIP	FOG	SMOKE &/OR HAZE	BLOWING SNOW	DUST &/OR SAND	ALL OBST	TOTAL NO. OF OBS
00-02												0
03-05												0
06-08		13.0	1.9	15.1		30.0	40.9	1.7	.4		73.0	477
09-11		13.5	1.4	13.3		28.1	37.0	4.8	.5		70.4	565
12-14		11.8	1.1	13.7		26.5	30.8	8.6	.2		66.1	569
15-17		12.4	.7	10.1		23.2	30.0	8.4	.5		62.1	557
18-20		11.5	.2	6.1		17.7	34.8	4.8	.2		57.6	462
21-23		10.5		7.5		18.0	40.2	3.8			61.9	239
ALL HOURS		12.3	1.0	11.4		24.6	35.0	5.6	.3		65.6	2869

MONTH: FEB

00-02												0
03-05												0
06-08	.5	6.6		15.8		22.4	52.0	3.2			77.6	442
09-11		6.7	.2	17.4		24.2	40.5	8.6			73.3	524
12-14		9.8		13.0		22.8	28.9	16.8			68.5	523
15-17	.2	8.3		11.5	.2	20.0	22.3	18.6			60.8	521
18-20		7.2		10.7		17.9	26.6	16.8			61.2	459
21-23		8.8		8.4		17.2	31.8	11.3			60.3	239
ALL HOURS	.1	7.8	.0	13.2	.0	21.1	33.5	12.9			67.5	2708

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF HOURS WITH VARIOUS ATMOSPHERIC PHENOMENA
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106530 STATION NAME: GIEBELSTADT AAF GERMANY PERIOD OF RECORD: OCT 80 - SEP 89
LST TO UTC: - 1 MONTH: MAR

HOURS (LST)	TSTMS	LIQUID PRECIP	FREEZ PRECIP	FROZEN PRECIP	HAIL	ALL PRECIP	FOG	SMOKE &/OR HAZE	BLOWING SNOW	DUST &/OR SAND	ALL OBST	TOTAL NO. OF OBS
00-02												0
03-05												0
06-08		16.0		7.0		23.0	47.4	6.3			76.8	525
09-11		12.4		5.4		17.7	35.4	15.4			68.6	615
12-14		11.3		4.6		15.8	15.5	21.2			52.6	612
15-17	.7	11.1		3.5	.3	14.9	10.9	21.3			47.1	605
18-20	.6	12.8		4.2		17.0	15.2	18.7			50.9	525
21-23		10.8		2.9		13.6	17.6	15.1			46.2	279
ALL HOURS		.2	12.4		4.7	.1	17.2	23.9	16.7		57.8	3161

MONTH: APR

00-02												0
03-05												0
06-08		14.7		3.2		17.9	36.1	10.5			64.6	570
09-11	.2	13.2		2.5	.2	15.9	16.6	19.4			51.9	567
12-14		14.0		1.8		15.8	5.3	19.4			40.5	563
15-17	.4	13.1		1.9		15.0	4.3	12.2			31.5	540
18-20	1.5	15.4		1.8		17.1	9.2	10.5			36.8	456
21-23		9.2		1.5		10.8	16.9	11.8			39.5	195
ALL HOURS		.3	13.7		2.2	.0	15.9	14.8	14.4		45.1	2891

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF HOURS WITH VARIOUS ATMOSPHERIC PHENOMENA
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106530 STATION NAME: GIEBELSTADT AAF GERMANY PERIOD OF RECORD: OCT 80 - SEP 89
LST TO UTC: - 1 MONTH: MAY

HOURS (LST)	TSTMS	LIQUID PRECIP	FREEZ PRECIP	FROZEN PRECIP	HAIL	ALL PRECIP	FOG	SMOKE &/OR HAZE	BLOWING SNOW	DUST &/OR SAND	ALL OBST	TOTAL NO. OF TO VSN	TOTAL OBS
00-02													0
03-05													0
06-08		19.6				19.6	36.7	7.1			63.5	561	
09-11		17.6				17.6	11.5	11.0			40.1	574	
12-14	.7	18.3				18.3	3.2	7.3			28.8	563	
15-17	3.1	18.8				18.8	1.3	3.7			23.8	520	
18-20	2.7	17.4				17.4	2.5	4.8			24.7	437	
21-23	1.5	18.5				18.5	7.5	6.0			32.0	200	
ALL HOURS	1.2	18.4				18.4	11.3	6.9			36.6	2855	

MONTH: JUN

00-02													0
03-05													0
06-08	.2	13.7				13.7	33.9	9.4			56.9	576	
09-11	.3	11.4				11.4	10.1	9.2			30.7	586	
12-14	2.9	10.4			.2	10.6	3.5	5.7			19.8	577	
15-17	2.7	9.7				9.7	2.0	3.9			15.6	557	
18-20	2.0	12.4				12.4	4.1	3.5			20.0	510	
21-23	1.3	13.6				13.6	11.1	2.6			27.2	235	
ALL HOURS	1.6	11.7				.0	11.7	10.9	6.1		28.8	3041	

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF HOURS WITH VARIOUS ATMOSPHERIC PHENOMENA
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106530 STATION NAME: GIEBELSTADT AAF GERMANY PERIOD OF RECORD: OCT 80 - SEP 89
LST TO UTC: - 1 MONTH: JUL

HOURS (LST)	TSTMS	LIQUID PRECIP	FREEZ PRECIP	FROZEN PRECIP	HAIL	ALL PRECIP	FOG	SMOKE & OR HAZE	BLOWING SNOW	DUST & OR SAND	ALL OBST	TOTAL NO. OF OBS
00-02												0
03-05												0
06-08	1.1	7.3				7.3	38.9	16.3			62.5	565
09-11	.4	7.8				7.8	12.5	18.7			39.0	567
12-14	1.0	7.0				7.0	1.2	10.6			18.8	573
15-17	1.3	5.1				5.1	1.8	7.8			14.6	553
18-20	2.1	4.7				4.7	3.7	9.5			17.9	485
21-23	.8	5.8				5.8	10.1	13.2			29.2	257
ALL HOURS	1.1	6.4				6.4	11.7	12.7			30.8	3000

MONTH: AUG

00-02												0
03-05												0
06-08	.7	7.0				7.0	56.8	7.3			71.1	588
09-11	.3	7.3				7.3	20.5	20.5			48.4	589
12-14	.2	4.9				4.9	3.7	14.5			23.2	587
15-17	1.4	7.0				7.0	1.4	10.6			19.0	573
18-20	1.3	7.1				7.1	2.5	11.3			21.0	520
21-23		3.1				3.1	7.5	13.3			23.9	255
ALL HOURS	.7	6.4				6.4	16.6	12.9			35.9	3112

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF HOURS WITH VARIOUS ATMOSPHERIC PHENOMENA
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106530 STATION NAME: GIEBELSTAAT AAF GERMANY PERIOD OF RECORD: OCT 80 - SEP 89
LST TO UTC: + 1 MONTH: SEP

HOURS (LST)	TSTM	Liquid PRECIP	FREEZ PRECIP	FROZEN PRECIP	HAIL	ALL PRECIP	FOG	SMOKE & OR HAZE	BLOWING SNOW	DUST & OR SAND	ALL OBST	TOTAL NO. OF OBS
00-02												0
03-05												0
06-08		8.8				8.8	60.1	1.0			69.9	499
09-11		9.1				9.1	33.5	13.4			56.0	507
12-14	.4	9.4				9.4	4.9	17.9			32.3	508
15-17	.6	11.1				11.1	1.4	13.1			25.5	505
18-20	.6	9.5				9.5	7.3	14.8			31.6	465
21-23		10.7				10.7	12.4	7.7			30.8	169
ALL HOURS	.3	9.6				9.6	21.0	11.8			42.4	2653

MONTH: OCT

00-02												0
03-05												0
06-08		13.6				13.6	61.5	1.3			76.4	478
09-11		13.4				13.4	44.3	8.5			66.1	567
12-14		11.2				11.2	19.5	15.6			46.2	565
15-17		12.4				12.4	16.2	13.8			42.4	556
18-20	.2	12.0				12.0	28.1	9.0			49.1	499
21-23		12.4				12.4	37.2	3.5			53.2	282
ALL HOURS	.0	12.5				12.5	33.6	9.3			55.4	2947

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF HOURS WITH VARIOUS ATMOSPHERIC PHENOMENA
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106530 STATION NAME: GIEBELSTADT AAF GERMANY PERIOD OF RECORD: OCT 80 - SEP 89
LST TO UTC: - 1 MONTH: NOV

HOURS (LST)	1STMS	LIQUID PRECIP	FREEZ PRECIP	FROZEN PRECIP	HAIL	ALL PRECIP	FOG	SMOKE & OR HAZE	BLOWING SNOW	DUST & OR SAND	ALL OBST	TOTAL NO. OF OBS
00-02												0
03-05												0
06-08		9.8	.2	5.4		15.4	54.2	1.0			70.6	408
09-11		8.5		6.1		14.5	47.9	4.0			66.5	495
12-14		5.9		3.7		9.5	34.5	13.0			57.0	493
15-17		8.5	.2	3.9		12.6	26.7	17.2			56.5	483
18-20		9.1		5.0		14.1	41.5	8.2			63.8	439
21-23		9.4		4.9		14.3	45.5	7.0			66.8	244
ALL HOURS		8.4	.1	4.8		13.3	41.0	8.7			63.0	2562

MONTH: DEC

00-02												0
03-05												0
06-08		15.0	.5	8.2		23.6	40.9	4.1			68.6	440
09-11		14.6	.7	7.9		23.2	36.2	7.9			67.3	542
12-14		15.9	.4	8.4		24.7	27.3	10.1			62.1	546
15-17	.2	18.7	.2	8.4		27.2	26.5	11.3			65.0	514
18-20		19.8		5.3		25.1	35.5	8.6			69.2	338
21-23		19.9		2.8		22.7	36.9	7.4			67.0	176
ALL HOURS	.0	16.8	.4	7.5		24.6	33.1	8.5			66.2	2556

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

**PERCENTAGE FREQUENCY OF VARIOUS ATMOSPHERIC PHENOMENA
FROM HOURLY OBSERVATIONS**

STATION NUMBER: 106530 STATION NAME: GIEBELSTADT AAF GERMANY PERIOD OF RECORD: OCT 80 - SEP 89
LST TO UTC: - 1 HOURS: ALL

MONTH	1STMS	LIQUID PRECIP	FREEZ PRECIP	FROZEN PRECIP	HAIL	ALL PRECIP	FOG	SMOKE &OR HAZE	BLOWING SNOW	DUST &OR SAND	ALL OBST TO VSN	TOTAL NO. OF OBS
JAN		12.3	1.0	11.4		24.6	35.0	5.6	.3		65.6	2869
FEB	.1	7.8	.0	13.2	.0	21.1	33.5	12.9			67.5	2708
MAR	.2	12.4		4.7	.1	17.2	23.9	16.7			57.8	3161
APR	.3	13.7		2.2	.0	15.9	14.8	14.4			45.1	2891
MAY	1.2	18.4				18.4	11.3	6.9			36.6	2855
JUN	.6	11.7			.0	11.7	10.9	6.1			28.8	3041
JUL	1.1	6.4				6.4	11.7	12.7			30.8	3000
AUG	.7	6.4				6.4	16.6	12.9			35.9	3112
SEP	.3	9.6				9.6	21.0	11.8			42.4	2653
OCT	.0	12.5				12.5	33.6	9.3			55.4	2947
NOV		8.4	.1	4.8		13.3	41.0	8.7			63.0	2562
DEC	.0	16.8	.4	7.5		24.6	33.1	8.5			66.2	2556
ANNUAL	.5	11.3	.1	3.5	.0	15.0	23.5	10.6	.0		49.1	34355

OPERATING LOCATION 'A'
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF DAYS WITH VARIOUS ATMOSPHERIC PHENOMENA
FROM SUMMARY OF DAY DATA

STATION NUMBER: 106530 STATION NAME: GIEBELSTADT AAF/GERMANY
LST TO UTC: -01 PERIOD OF RECORD: 5610-6004,8010-8909
MONTH: ALL HOURS: ALL

MONTH	TSTMS	LIQUID PRECIP	FREEZ PRECIP	FROZEN PRECIP	HAIL	ALL PRECIP	FOG	SMOKE &/OR HAZE	BLOWING SNOW	DUST &/OR SAND	ALL OBST TO VSN	TOTAL NO. OF OBS
JAN	.3	35.5	3.4	36.2		60.1	65.5	35.2	1.0		94.2	293
FEB	1.1	31.3	.8	30.9	.8	49.2	68.3	35.9			93.1	262
MAR	2.3	40.9		8.5	1.3	50.3	60.4	53.6			92.5	308
APR	3.8	38.4		10.0	.3	43.6	47.1	46.4			79.9	289
MAY	9.1	47.9		1.1	.8	48.7	54.3	33.6			77.7	265
JUN	16.1	46.7			.4	46.7	48.2	33.9			75.2	274
JUL	10.4	37.2			.4	37.2	49.1	48.0			78.8	269
AUG	8.0	42.9				42.9	62.5	45.8			84.0	275
SEP	3.6	36.1			.4	36.1	66.3	46.6			87.6	249
OCT	.3	39.9		1.4		39.9	74.5	45.1			90.6	286
NOV		35.8	1.1	13.2		44.5	76.2	41.1			92.5	265
DEC	.3	39.8	1.4	23.9		55.0	68.9	35.3			90.3	289
ANNUAL	4.5	39.4	.6	11.6	.4	46.4	61.7	41.8	.1		86.5	3324

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF THUNDERSTORMS
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106530 STATION NAME: GIEBELSTADT AAF GERMANY PERIOD OF RECORD: OCT 80 - SEP 89
LST ± UTC: - 1

HOURS (LST)	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
00-02												
03-05												
06-08	.5					.2	1.1	.7				
09-11			.2			.3	.4	.3				
12-14				.7	2.9	1.0	.2	.4				
15-17		.2	.7	.4	3.1	2.7	1.3	1.4	.6			.2
18-20			.6	1.5	2.7	2.0	2.1	1.3	.6	.2		
21-23					1.5	1.3	.8					
ALL HOURS	.1	.2	.3	1.2	1.6	1.1	.7	.3	.0			.0
TOTAL OBS	2869	2708	3161	2891	2855	3041	3000	3112	2653	2947	2562	2556

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCES OF ATMOSPHERIC PHENOMENA
VERSUS WIND DIRECTION FROM HOURLY OBSERVATIONS

STATION NUMBER: 106530 STATION NAME: GIEBELSTADT AAF GERMANY PERIOD OF RECORD: OCT 80 - SEP 89
LST TO UTC: - 1 MONTH: JAN HOURS: ALL

PHENOMENA	CALM	VARIABLE	250 - 019	020 - 109	110 - 169	170 - 249	NO OF OBS
TSTMS							
LIQUID PRECIP	1.7	.9	46.3	.6	4.0	46.6	352
FREEZING PRECIP	21.4		10.7	57.1	7.1	3.6	28
FROZEN PRECIP	8.1	.3	58.4	9.7	3.7	19.8	298
FOG	30.6	.1	12.3	26.8	16.7	13.5	1004
FOG WITH VIS GE 1/2 MILES	27.2	.1	13.3	26.8	17.8	14.8	865
TOTAL OBS	423	22	967	479	267	711	0
							2869

MONTH: FEB HOURS: ALL

TSTMS			66.7		33.3		3
LIQUID PRECIP	2.9		48.1	1.0	3.3	44.8	210
FREEZING PRECIP				100.0			1
FROZEN PRECIP	10.9	1.5	33.3	37.2	5.0	12.1	339
FOG	26.0	.3	13.2	41.6	9.4	9.5	907
FOG WITH VIS GE 1/2 MILES	25.2	.4	14.0	41.1	9.3	10.1	810
TOTAL OBS	415	14	681	965	230	403	0
							2708

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCES OF ATMOSPHERIC PHENOMENA
VERSUS WIND DIRECTION FROM HOURLY OBSERVATIONS

STATION NUMBER: 106530	STATION NAME: GIEBELSTADT AAF GERMANY	PERIOD OF RECORD: OCT 80 - SEP 89					
	LST TO UTC: - 1	MONTH: MAR HOURS: ALL					
PHENOMENA	CALM	VARIABLE	250 - 019	020 - 109	110 - 169	170 - 249	NO OF OBS
TSTM			57.1	28.6		14.3	7
LIQUID PRECIP	4.6	.8	40.7	3.3	3.1	47.6	391
FREEZING PRECIP							.
FROZEN PRECIP	18.9		54.1	8.2		18.9	122
FOG	30.3	.3	25.5	21.8	6.6	15.6	757
FOG WITH VIS GE 1/2 MILES	29.0	.3	26.7	22.0	5.1	16.9	692
TOTAL OBS	461	38	1063	586	178	835	0 3161

					MONTH: APR	HOURS: ALL	
TSTM			70.0		10.0	20.0	10
LIQUID PRECIP	4.9	1.0	59.9	11.3	.5	22.4	389
FREEZING PRECIP							.
FROZEN PRECIP			65.5	18.2		16.4	55
FOG	16.8		34.6	35.7	3.5	9.3	428
FOG WITH VIS GE 1/2 MILES	14.8		35.7	36.5	3.2	9.9	406
TOTAL OBS	374	98	1086	720	214	399	0 2891

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCES OF ATMOSPHERIC PHENOMENA
VERSUS WIND DIRECTION FROM HOURLY OBSERVATIONS

STATION NUMBER: 106530	STATION NAME: GIEBELSTADT AAF GERMANY	PERIOD OF RECORD: OCT 80 - SEP 89					
	LST TO UTC: - 1	MONTH: MAY HOURS: ALL					
PHENOMENA	CALM	VARIABLE	250 - 019	020 - 109	110 - 169	170 - 249	NO OF OBS
TSTM	11.4	2.9	37.1	14.3	11.4	22.9	35
LIQUID PRECIP	5.3	2.2	53.1	9.3	2.6	27.5	505
FREEZING PRECIP							
FROZEN PRECIP							
FOG	24.8	.6	35.0	21.1	.9	17.6	323
FOG WITH VIS GE 1/2 MILES	22.8	.6	36.0	21.5	1.0	18.0	311
TOTAL OBS	328	86	1045	654	151	591	0 2855

					MONTH: JUN	HOURS: ALL	
TSTM	4.2	4.2	41.7	14.6	4.2	31.3	48
LIQUID PRECIP	5.5	.9	52.1	4.9	.6	36.0	328
FREEZING PRECIP							
FROZEN PRECIP							
FOG	22.0	.6	36.4	15.1	1.5	24.4	332
FOG WITH VIS GE 1/2 MILES	21.7	.6	36.3	15.5	1.6	24.2	322
TOTAL OBS	396	69	1229	475	120	752	0 3041

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCES OF ATMOSPHERIC PHENOMENA
VERSUS WIND DIRECTION FROM HOURLY OBSERVATIONS

STATION NUMBER:	106530	STATION NAME:	GIEBELSTADT AAF GERMANY	PERIOD OF RECORD:	OCT 80 - SEP 89			
LST TO UTC:	- 1			MONTH:	JUL HOURS: ALL			
PHENOMENA	CALM	VARIABLE	250 - 019 020 - 109 110 - 169 170 - 249		NO OF OBS			
TSTM	6.1		45.5	9.1	12.1	27.3	33	
LIQUID PRECIP	5.9	.6	54.4	8.9	.6	29.6	169	
FREEZING PRECIP								
FROZEN PRECIP								
FOG	29.5		38.1	16.2	2.8	13.4	352	
FOG WITH VIS GE 1/2 MILES	29.1		38.3	16.1	2.9	13.5	347	
TOTAL OBS	473	31	1248	472	169	607	0	3000

MONTH: AUG HOURS: ALL

TSTM	13.6		54.5	4.5		27.3	22	
LIQUID PRECIP	2.1		57.8	5.9	1.1	33.2	187	
FREEZING PRECIP								
FROZEN PRECIP								
FOG	37.1		29.2	16.2	2.9	14.5	517	
FOG WITH VIS GE 1/2 MILES	33.8		30.9	16.5	3.1	15.7	479	
TOTAL OBS	604	41	1207	495	145	620	0	3112

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCES OF ATMOSPHERIC PHENOMENA
VERSUS WIND DIRECTION FROM HOURLY OBSERVATIONS

STATION NUMBER: 106530 STATION NAME: GIEBELSTADT AAF GERMANY PERIOD OF RECORD: OCT 80 - SEP 89
LST TO UTC: - 1 MONTH: SEP HOURS: ALL

PHENOMENA	CALM	VARIABLE	250 - 019	020 - 109	110 - 169	170 - 249	NO OF OBS
TSTMS	12.5		37.5	12.5		37.5	8
LIQUID PRECIP	6.4	1.2	45.2	10.4	2.0	34.8	250
FREEZING PRECIP							
FROZEN PRECIP							
FOG	35.9		22.6	23.5	5.0	12.9	557
FOG WITH VIS GE 1/2 MILES	32.3		24.8	24.0	4.5	14.4	492
TOTAL OBS	495	39	867	490	131	631	0
							2653

MONTH: OCT HOURS: ALL

TSTMS			100.0				1
LIQUID PRECIP	5.2	3.3	22.9	12.8	3.0	52.9	367
FREEZING PRECIP							
FROZEN PRECIP							
FOG	32.8	.1	16.9	27.1	11.5	11.6	990
FOG WITH VIS GE 1/2 MILES	27.4	.1	18.2	28.8	12.2	13.3	847
TOTAL OBS	506	36	650	551	283	920	0
							2946

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCES OF ATMOSPHERIC PHENOMENA
VERSUS WIND DIRECTION FROM HOURLY OBSERVATIONS

STATION NUMBER: 106530 STATION NAME: GIEBELSTADT AAF GERMANY PERIOD OF RECORD: OCT 80 - SEP 89
LST TO UTC: - 1 MONTH: NOV HOURS: ALL

PHENOMENA	CALM	VARIABLE	250 - 019	020 - 109	110 - 169	170 - 249	NO OF OBS
TSTMS							
LIQUID PRECIP	3.7	.5	41.9	3.7	7.0	43.3	215
FREEZING PRECIP			50.0	50.0			2
FROZEN PRECIP	6.8	4.2	43.2	17.8		28.0	118
FOG	23.0	.4	15.3	33.2	10.7	17.3	1050
FOG WITH VIS GE 1/2 MILES	17.9	.5	17.6	33.2	11.0	19.8	853
TOTAL OBS	366	21	636	603	207	729	0 2562

MONTH: DEC HOURS: ALL

TSTMS			100.0				1
LIQUID PRECIP	7.7	.9	44.3	6.8	1.4	38.9	429
FREEZING PRECIP	11.1		77.8	11.1			9
FROZEN PRECIP	3.0	.6	43.7	22.2	11.4	19.2	167
FOG	27.9	.2	16.7	25.9	10.0	19.3	846
FOG WITH VIS GE 1/2 MILES	26.1	.3	17.5	25.6	10.4	20.2	789
TOTAL OBS	366	14	780	502	157	737	0 2556

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCES OF ATMOSPHERIC PHENOMENA
VERSUS WIND DIRECTION FROM HOURLY OBSERVATIONS

STATION NUMBER: 106530	STATION NAME: GIEBELSTADT AAF GERMANY	PERIOD OF RECORD: OCT 80 - SEP 89					
LST TO UTC: - 1		MONTHS: ALL					
PHENOMENA	CALM	VARIABLE	250 - 019	020 - 109	110 - 169	170 - 249	NO OF OBS
TSTMS	7.1	1.8	46.4	11.3	6.5	26.8	168
LIQUID PRECIP	4.9	1.2	46.7	6.9	2.4	38.0	3792
FREEZING PRECIP	17.5		27.5	47.5	5.0	2.5	40
FROZEN PRECIP	8.8	1.1	46.7	21.2	4.3	17.9	1099
FOG	28.5	.2	21.1	27.2	8.6	14.5	8063
FOG WITH VIS GE 1/2 MILES	25.7	.2	22.6	27.2	8.5	15.7	7213
TOTAL OBS	5207	509	11459	6992	2252	7935	0
							34354

PPPPPPPP	AAAAAA	RRRRRRR	TTTTTTTTT	BBBBBBBBB
PPPPPPPPP	AAAAAAA	RRRRRRRR	TTTTTTTTT	BBBBBBBBBB
PP PP	AA AA	RR RR	TT	BB BB
PP PP	AA AA	RR RR	TT	BB BB
PPPPPPPP	AA AA	RRRRRRR	TT	BBBBBBBBB
PPPPPPPP	AAAAAAA	RRRRRRR	TT	BBBBBBBBB
PP	AAAAAAA	RR RR	TT	BB BB
PP	AA AA	RR RR	TT	BB BB
PP	AA AA	RR RR	TT	BBBBBBBBB
PP	AA AA	RR RR	TT	BBBBBBBBB

PART B

PRECIPITATION, SNOWFALL, SNOW DEPTH SUMMARIES

ALL TABLES IN PART B ARE CREATED FROM SUMMARY OF DAY (SOD) DATA.

PERCENT OCCURRENCE FREQUENCY.

THESE TABLES GIVE THE PERCENT OCCURRENCE FREQUENCY OF PRECIPITATION, SNOWFALL AND SNOW DEPTH. DATA IS SUMMARIZED FOR ALL YEARS COMBINED. SUMMARIES INCLUDE THE PERCENT OF DAYS WITH MEASURABLE AMOUNTS, PERCENT OF DAYS WITH NO AMOUNTS, PERCENT OF DAYS WITH TRACES, AND PERCENT OF DAYS WITH SPECIFIED AMOUNTS. SUMMARIES ALSO PROVIDE AN OBSERVATION COUNT. A VALUE OF ".0" INDICATES ONE OR MORE OCCURRENCES THAT, IN AGGREGATE, AMOUNT TO LESS THAN .05 PERCENT.

MONTHLY TOTALS.

THESE TABLES GIVE THE TOTAL MONTHLY PRECIPITATION AND SNOWFALL RESPECTIVELY. THEY ARE SUMMARIZED BY MONTH FOR ALL YEARS. THE TABLES ALSO GIVE THE GREATEST AMOUNTS, LEAST AMOUNTS, MEAN, MEDIAN, STANDARD DEVIATIONS, AND TOTAL AVAILABLE OBSERVATIONS. AN ASTERISK (*) INDICATES A VALUE FOR A MONTH FOR WHICH LESS THAN 90% OF THE DATA ARE AVAILABLE. AN ASTERISK ALSO DENOTES A YEAR(S) WITH ONE OR MORE MISSING AND/OR INCOMPLETE MONTHS. INCOMPLETE MONTHS/YEARS ARE NOT INCLUDED IN STATISTICAL COMPUTATIONS. NOTE: LEAST AMOUNTS ARE DERIVED FROM COMPLETE MONTHS/YEARS ONLY. ".00" MEANS NO PRECIPITATION FOR THE MONTH, ".0" MEANS NO SNOWFALL FOR THE MONTH.

DAILY EXTREMES.

THESE TABLES GIVE THE MAXIMUM DAILY REPORTED AMOUNTS (BY INDIVIDUAL YEAR-MONTH) FOR PRECIPITATION, SNOWFALL, AND SNOW DEPTH, RESPECTIVELY. THEY SHOW THE GREATEST AMOUNTS FOR EACH MONTH AND THE TOTAL NUMBER OF AVAILABLE OBSERVATIONS FOR EACH MONTH AND YEAR. AN ASTERISK (*) INDICATES A MONTH FOR WHICH LESS THAN 90% OF DATA ARE AVAILABLE. AN ASTERISK ALSO DENOTES A YEAR(S) WITH ONE OR MORE MISSING AND/OR INCOMPLETE MONTHS. ".00" MEANS NO PRECIPITATION FOR THE MONTH, ".0" MEANS NO SNOWFALL FOR THE MONTH, AND "0" MEANS NO SNOW DEPTH FOR THE MONTH.

SNOWFALL/SNOW DEPTH--FIRST AND LAST DAYS OF OCCURRENCE BY SNOW YEAR.

THIS SUMMARY GIVES THE FIRST AND LAST OCCURRENCES OF SNOWFALL AND SNOW DEPTH FOR THE SNOW-YEAR DURING THE PERIOD OF RECORD. FOR THIS SUMMARY, THE SNOW-YEAR IS CONSIDERED TO RUN FROM 1 AUGUST TO 31 JULY. TABLES SUMMARIZE THE DATA BY SNOW-YEAR, BY MONTH, AND BY DAY. THE FIRST (OR LAST) ENTRY IN COLUMN 69 OF AWS FORMS 10/10A (OR EQUIVALENT) AS EITHER A TRACE OR A MEASURABLE AMOUNT DEFINES THE FIRST (OR LAST) SNOWFALL FOR THE THE YEAR. THE FIRST (OR LAST) ENTRY IN COLUMN 69 OTHER THAN ".0" OR "TRACE" DEFINES THE FIRST (OR LAST) MEASURABLE SNOWFALL. FINALLY, THE 1200 GMT ENTRY COLUMN 70 OF AWS FORM 10/10A (OR EQUIVALENT) DEFINES THE FIRST (OR LAST) OCCURRENCE OF SNOW DEPTH. THE LAST SNOW DEPTH IS CONSIDERED THE LAST SNOW MELT. THIS SUMMARY IS NOT PROVIDED WHEN NO SNOWFALL OCCURS DURING THE GIVEN POR.

NOTE 1. IF THE MINIMUM AMOUNT RECORDED IN THE MONTHLY TOTALS OR DAILY EXTREMES IS A TRACE, THE WORD "TRACE" WILL APPEAR IN THE APPROPRIATE COLUMN.

NOTE 2. TABLES INCLUDE STATISTICAL DATA ONLY WHEN FIVE (5) OR MORE SETS OF COMPLETE MONTHS ARE AVAILABLE.

NOTE 3. THE OBSERVATION COUNTS OR THE STATION HISTORY MIGHT PROVIDE CLUES AS TO WHY CERTAIN DATA ARE MISSING. FOR EXAMPLE, ONLY A FEW MISSING OBSERVATIONS MIGHT IMPLY MISSING DATA BECAUSE OF EQUIPMENT MALFUNCTION, BUT MORE THAN SEVERAL MISSING OBSERVATIONS USUALLY MEANS THE STATION IS (OR HAS BEEN) CLOSED.

NOTE 4. IN DAILY AND MONTHLY AMOUNTS SUMMARIES, THE LAST ENTRY ON THE PAGE GIVES THE GREATEST AMOUNT FOR THE PERIOD OF RECORD.

NOTE 5. BEFORE JANUARY 1956, SNOWFALL OCCURRENCES IN THE SUMMARY OF DAY INCLUDED HAIL.

NOTE 6. SNOW DEPTH REPORTING TIMES FOR USAF, NAVY AND CIVIL STATIONS ARE AS FOLLOWS:

AIR FORCE	NAVY AND NATIONAL WEATHER SERVICE
THROUGH 1945:	0800 LST
JAN 1946 TO MAY 1957:	1230 LST
JUN 1957 TO PRESENT:	1200 GMT
THROUGH JUN 1952:	0030 GMT
JUN 1952 TO MAY 1957:	1230 GMT
JUN 1957 TO PRESENT:	1200 GMT

NOTE 7. 24-HOUR PRECIPITATION (INCLUDING SNOWFALL AND SNOW DEPTH) VALUES DERIVED FROM PART TIME PERIODS MAY NOT REFLECT TRUE 24-HOUR AMOUNTS. RECORDED AMOUNTS FOLLOWING WEEKENDS AND/OR HOLIDAYS FREQUENTLY REPRESENT AMOUNTS MEASURED FOR PERIODS GREATER THAN 24 HOURS. IN ADDITION, 24-HOUR AMOUNTS MAY NOT REPRESENT THE STANDARD CLIMATOLOGICAL 24-HOUR "MIDNIGHT TO MIDNIGHT" AMOUNT. DATA FROM PART TIME PERIODS MAY NOT ACCURATELY REFLECT NIGHTTIME PRECIPITATION EVENTS.

CONVERSIONS:

- 1 INCH = 25.39998 MILLIMETERS
- 1 MILLIMETER = .03937 INCHES

OPERATING LOCATION 'A'
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF PRECIPITATION IN INCHES
FROM SUMMARY OF DAY DATA

STATION NUMBER: 106530 STATION NAME: GIEBELSTADT AAF/GERMANY
LST TO UTC: -01 PERIOD OF RECORD: 4608-4712,8010-8909
MONTH: ALL HOURS: ALL

AMOUNTS (INCHES)	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
NONE	31.2	37.5	36.1	37.7	30.2	38.7	50.7	45.8	49.6	44.7	38.9	29.8	39.5
TRACE	21.7	21.2	20.0	18.3	13.5	14.7	10.3	15.5	13.8	17.8	19.5	19.4	17.1
.01	6.3	2.2	6.3	5.2	4.2	5.3	3.1	4.9	3.4	5.5	4.4	3.6	4.6
.02-.05	14.5	13.6	14.6	8.4	9.9	8.9	7.2	8.3	9.9	11.1	13.7	16.5	11.4
.06-.10	7.2	9.8	2.9	8.9	8.9	6.2	5.8	7.2	5.2	4.7	6.6	6.5	6.6
.11-.25	10.4	10.9	12.2	13.1	13.5	12.0	10.3	9.8	9.1	4.7	10.2	11.7	10.5
.26-.50	7.7	3.3	6.8	4.7	10.9	10.2	8.5	3.8	6.9	7.5	3.5	8.9	6.9
.51-1.00	.9	1.6	.5	2.6	7.8	3.1	3.6	3.8	1.3	2.8	2.7	2.8	2.8
1.01-2.50			.5	1.0	1.0	.4	.4	.8	.9	1.2	.4	.8	.6
2.51-5.00						.4							.0
5.01-10.00													
10.01-20.00													
OVER 20.00													
DAYS WITH MEAS AMTS	47.1	41.3	43.9	44.0	56.3	46.7	39.0	38.6	36.6	37.5	41.6	50.8	43.4
TOTAL NO. OF OBSERVATIONS	221	184	205	191	192	225	223	264	232	253	226	248	2664

OPERATING LOCATION 'A'
USAFETAC, ASHEVILLE NC

TOTAL MONTHLY PRECIPITATION AMOUNTS IN INCHES
FROM SUMMARY OF DAY DATA

STATION NUMBER: 106530		STATION NAME: GIEBELSTADT AAF/GERMANY		PERIOD OF RECORD: 4608-4712,8010-8909										
		LST TO UTC: -01		MONTH: ALL HOURS: ALL										
YEAR		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
46									2.74	.65	1.49	.52	.64	6.04*
47		.42	.27*				1.90	1.87	.59	.56	.04	3.09	5.05	13.79*
80											.34*	.13*	1.58*	2.05*
81		1.00*	.34*	1.46*	1.28*	4.18*	1.59*	2.22*	1.90*	1.84*	5.48*	1.12*	3.38*	25.79*
82		1.12*	.47*	1.02*	1.15*	1.68*	2.54*	1.50*	1.35*	.58*	2.80*	1.28*	3.38*	18.87*
83		1.33*	1.16*	.98*	3.10*	4.66*	1.41*	.19*	1.19*	1.82*	.47*	1.32*	1.10*	18.73*
84		2.84*	3.24*	.48*	.89*	5.44*	2.51*	2.17*	3.39*	2.60*	1.38*	1.14*	.87*	26.95*
85		1.43*	.48*	.60*	.95*	3.32*	2.76*	2.07*	3.15*	1.13*	.52*	1.22*	1.35*	18.98*
86		2.97*	.21*	1.59*	2.24*	2.74*	1.56*	2.78*	2.73*	2.02*	3.30*	1.34*	1.54*	25.02*
87		.14*	.81*	1.44*	.72*	1.66*	5.19*	2.02*	1.85*	2.50*	1.89*	1.52*	.96*	20.70*
88		1.10*	1.46*	4.48*	1.44*	1.82*	2.40*	2.02*	1.07*	1.06*	2.31*	1.69*	2.71*	23.56*
89		.81*	1.26*	1.53*	4.08*	1.35*	.84*	1.47*	1.77*					13.11*
LEAST		.42					1.90	1.87	.59	.56	.04	.52	.64	
GREATEST		2.97	3.24	4.48	4.08	5.44	5.19	2.78	3.39	2.60	5.48	3.09	5.05	26.95
MEAN														
MEDIAN														
SD														
TOTAL OBS		221	184	205	191	192	225	223	264	232	253	226	248	2664

THE GREATEST VALUE OF 5.48 OCCURRED ON 10/81

NOTE: *THE VALUE IS BASED ON A MONTH WITH LESS THAN 90% OF THE DATA AVAILABLE FOR THE MONTH

OPERATING LOCATION 'A'
USAFETAC, ASHEVILLE NC

EXTREME DAILY PRECIPITATION AMOUNTS IN INCHES
FROM SUMMARY OF DAY DATA

STATION NUMBER: 106530 STATION NAME: GIEBELSTADT AAF/GERMANY PERIOD OF RECORD: 4608-4712,8010-8909
LST TO UTC: -01 MONTH: ALL HOURS: ALL

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
46								.99	.17	.66	.22	.17	.99*
47	.40	.17*				.80	.53	.28	.13	.02	.61	1.76	1.76*
80										.16*	.05*	.45	.45*
81	.20*	.18*	.30*	.55*	1.08*	.42*	.51*	.93*	.50*	1.61*	.71*	.53*	1.61*
82	.41*	.17*	.37*	.47*	.46*	.58*	.51*	.46*	.39*	.92*	.34*	.79*	.92*
83	.33*	.51*	.38*	1.26*	1.12*	.41*	.12*	.49*	.51*	.20*	1.06*	.84*	1.26*
84	.59*	.80*	.17*	.49*	.97*	1.11*	1.22*	2.20*	1.14*	.44*	.83*	.34*	2.20*
85	.50*	.24*	.21*	.38*	1.00*	.78*	.52*	.85*	.52*	.38*	.35*	.50*	1.00*
86	.60*	.14*	.40*	.81*	.65*	.65*	.76*	1.19*	.76*	1.17*	.92*	.40*	1.19*
87	.12*	.27*	.94*	.40*	.67*	2.51*	.75*	.70*	1.18*	.65*	.32*	.37*	2.51*
88	.34*	.21*	1.18*	.43*	.75*	.69*	.43*	.25*	.34*	.44*	.55*	.55*	1.18*
89	.32*	.31*	.38*	1.69*	.56*	.37*	.51*	.72*					1.69*
GREATEST	.60	.80	1.18	1.69	1.12	2.51	1.22	2.20	1.18	1.61	1.06	1.76	2.51
TOTAL OBS	221	184	205	191	192	225	223	264	232	253	226	248	2664

THE GREATEST VALUE OF 2.51 OCCURRED ON 06/15/87

NOTE: *THE VALUE IS BASED ON A MONTH WITH LESS THAN 90% OF THE DATA AVAILABLE FOR THE MONTH

OPERATING LOCATION 'A'
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SNOWFALL IN INCHES
FROM SUMMARY OF DAY DATA

STATION NUMBER: 106530 STATION NAME: GIEBELSTADT AAF/GERMANY PERIOD OF RECORD: 4608-4712,5610-5910,8010-8909
LST TO UTC: -01 MONTH: ALL HOURS: ALL

AMOUNTS (INCHES)	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
NONE	54.4	62.7	78.2	89.8	100.0	100.0	100.0	100.0	99.1	86.2	67.3	88.2	
TRACE	25.8	21.1	15.2	6.5					.9	9.2	16.9	7.0	
0.1-0.4	6.0	6.9	3.1	1.9					2.6	4.0	1.8		
0.5-1.4	7.4	6.4	1.2	1.9					1.0	6.5	1.7		
1.5-2.4	3.7	2.0	1.2						.7	2.2	.7		
2.5-3.4	1.4									1.8	.2		
3.5-4.4	.9		.4							.7	.2		
4.5-6.4	.5	1.0	.8						.3	.7	.2		
6.5-10.4													
10.5-15.4													
15.5-25.4													
25.5-50.4													
OVER 50.4													
DAYS WITH MEAS AMTS	19.8	16.2	6.6	3.7						4.6	15.8	4.8	
TOTAL NO. OF OBSERVATIONS	217	204	257	216	235	303	301	337	310	344	305	278	3307

OPERATING LOCATION 'A'
USAFETAC, ASHEVILLE NC

TOTAL MONTHLY SNOWFALL AMOUNTS IN INCHES
FROM SUMMARY OF DAY DATA

STATION NUMBER: 106530 STATION NAME: GIEBELSTADT AAF/GERMANY PERIOD OF RECORD: 4608-4712,5610-5910,8010-8909
LST TO UTC: -01 MONTH: ALL HOURS: ALL

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
46								.0	.0	.0	.2	3.0	3.2*
47	*	*				.0	.0	.0	.0	TRACE	1.1	7.2	8.3*
56									.0*	.3	6.2		6.5*
57	2.1*	.0	.0	*	*	.0	.0	.0	.0	TRACE		*	2.1*
58	*	TRACE*	1.6*	TRACE*	.0*	.0*	.0*	.0*	.0*	TRACE*	.0*	*	1.6*
59	*	*	*	TRACE*	.0*	.0*	.0*	.0*	.0*	.0*			TRACE*
80									.0*	.4*	13.0*		13.4*
81	12.1*	1.1*	TRACE*	.3*	.0*	.0*	.0*	.0*	.0*	.0*	2.0*	17.8*	33.3*
82	6.8*	1.8*	TRACE*	1.0*	.0*	.0*	.0*	.0*	.0*	.0*	TRACE*	.1*	9.7*
83	1.3*	1.4*	.7*	TRACE*	.0*	.0*	.0*	.0*	.0*	TRACE*	TRACE*	1.1*	4.5*
84	14.3*	10.8*	TRACE*	1.8*	.0*	.0*	.0*	.0*	.0*	.0*	.0*	TRACE*	26.9*
85	13.9*	7.0*	6.2*	TRACE*	.0*	.0*	.0*	.0*	.0*	.0*	2.9*	8.9*	38.9*
86	2.8*	2.3*	TRACE*	.5*	.0*	.0*	.0*	.0*	.0*	.0*	.0*	1.7*	7.3*
87	.9*	2.6*	2.8*	TRACE*	.0*	.0*	.0*	.0*	.0*	.0*	.0*	TRACE*	6.3*
88	TRACE*	5.1*	13.3*	.0*	.0*	.0*	.0*	.0*	.0*	.0*	6.3*	TRACE*	24.7*
89	.0*	1.8*	TRACE*	TRACE*	.0*	.0*	.0*	.0*	.0*				1.8*

OPERATING LOCATION 'A'
USAFETAC, ASHEVILLE NC

TOTAL MONTHLY SNOWFALL AMOUNTS IN INCHES
FROM SUMMARY OF DAY DATA

STATION NUMBER: 106530 STATION NAME: GIEBELSTADT AAF/GERMANY
LST TO UTC: -01

PERIOD OF RECORD: 4608-4712,5610-5910,8010-8909
MONTH: ALL HOURS: ALL

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
LEAST	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	TRACE	3.0	
GREATEST	14.3	10.8	13.3	1.8	.0	.0	.0	.0	.0	TRACE	6.3	17.8	38.9
MEAN													
MEDIAN													
SD													
TOTAL OBS	217	204	257	216	235	303	301	337	310	344	305	278	3307

THE GREATEST VALUE OF 17.8 OCCURRED ON 12/81

NOTE: *THE VALUE IS BASED ON A MONTH WITH LESS THAN 90% OF THE DATA AVAILABLE FOR THE MONTH

OPERATING LOCATION 'A'
USAFETAC, ASHEVILLE NC

EXTREME DAILY SNOWFALL AMOUNTS IN INCHES
FROM SUMMARY OF DAY DATA

STATION NUMBER: 106530 STATION NAME: GIEBELSTADT AAF/GERMANY
LST TO UTC: -01 PERIOD OF RECORD: 4608-4712,5610-5910,8010-8909
MONTH: ALL HOURS: ALL

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
46								.0	.0	.0	.2	.8	.8*
47	*	*				.0	.0	.0	.0	TRACE	.5	4.4	4.4*
56										.0*	.2	1.6	1.6*
57	.8*	.0	.0	*	*	.0	.0	.0	.0	.0	TRACE	*	.8*
58	*	TRACE*	1.0*	TRACE*	.0*	.0*	.0*	.0*	.0*	TRACE*	.0*	*	1.0*
59	*	*	*	TRACE*	.0*	.0*	.0*	.0*	.0*	.0*			TRACE*
80										.0*	.4*	6.0*	6.0*
81	2.0*	.4*	TRACE*	.3*	.0*	.0*	.0*	.0*	.0*	.0*	1.8*	2.9*	2.9*
82	4.0*	1.0*	TRACE*	.8*	.0*	.0*	.0*	.0*	.0*	.0*	TRACE*	.1*	4.0*
83	.7*	1.0*	.5*	TRACE*	.0*	.0*	.0*	.0*	.0*	TRACE*	TRACE*	1.0*	1.0*
84	4.1*	5.9*	TRACE*	.9*	.0*	.0*	.0*	.0*	.0*	.0*	.0*	TRACE*	5.9*
85	6.0*	5.0*	4.0*	TRACE*	.0*	.0*	.0*	.0*	.0*	.0*	1.5*	5.0*	6.0*
86	2.0*	2.0*	TRACE*	.5*	.0*	.0*	.0*	.0*	.0*	.0*	.0*	1.7*	2.0*
87	.8*	.8*	1.5*	TRACE*	.0*	.0*	.0*	.0*	.0*	.0*	.0*	TRACE*	1.5*
88	TRACE*	1.6*	6.1*	.0*	.0*	.0*	.0*	.0*	.0*	.0*	5.0*	TRACE*	6.1*
89	.0*	1.8*	TRACE*	TRACE*	.0*	.0*	.0*	.0*	.0*				1.8*
GREATEST	6.0	5.9	6.1	.9	.0	.0	.0	.0	.0	TRACE	5.0	6.0	6.1
TOTAL OBS	217	204	257	216	235	303	301	337	310	344	305	278	3307

THE GREATEST VALUE OF 6.1 OCCURRED ON 03/14/88

NOTE: *THE VALUE IS BASED ON A MONTH WITH LESS THAN 90% OF THE DATA AVAILABLE FOR THE MONTH

OPERATING LOCATION 'A'
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SNOW DEPTH IN INCHES
FROM SUMMARY OF DAY DATA

STATION NUMBER: 106530 STATION NAME: GIEBELSTADT AAF/GERMANY
LST TO UTC: -01

PERIOD OF RECORD: 4608-4712, 5610-6004, 8010-8909
MONTH: ALL HOURS: ALL

AMOUNTS (INCHES)	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
NONE	45.5	58.8	82.5	97.9	100.0	100.0	100.0	100.0	100.0	100.0	92.3	72.4	87.3
TRACE	12.4	19.4	6.8	1.7							4.9	9.9	4.6
1	17.6	7.3	3.2	.3							.3	9.1	3.3
2	8.7	6.6	2.6								.3	3.1	1.8
3	6.2	2.8	1.3								1.5	.6	1.0
4-6	5.0	3.8	3.2								.6	4.3	1.4
7-12	4.6	1.4	.3								.6	.6	
13-24													
25-36													
37-48													
49-60													
61-120													
OVER 120													
DAYS WITH MEAS AMTS	42.1	21.8	10.7	.3							2.8	17.6	8.1
TOTAL NO. OF OBSERVATIONS	323	289	308	286	266	303	301	336	310	344	324	352	3742

OPERATING LOCATION 'A'
USAFTAC, ASHEVILLE NC

EXTREME DAILY SNOW DEPTH AMOUNTS IN INCHES
FROM SUMMARY OF DAY DATA

STATION NUMBER: 106530 STATION NAME: GIEBELSTADT A./GERMANY PERIOD OF RECORD: 4608-4712,5610-6004,8010-8909
LST TO UTC: -01 MONTH: ALL HOURS: ALL

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
46								0	0	0	0	1	1*
47	0	0				0	0	0	0	0	1	5	5*
56										0*	TRACE	2	2*
57	2	0	0	0	0	0	0	0	0	0	0	0	2
58	4	4*	7*	TRACE*	0*	0*	0*	0*	0*	0*	0*	1*	7*
59	4*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	1*	4*
60	3*	TRACE*	0*	0*									3*
80										0*	TRACE*	9*	9*
81	6*	1*	0*	TRACE*	0*	0*	0*	0*	0*	0*	TRACE*	7*	7*
82	7*	TRACE*	0*	0*	0*	0*	0*	0*	0*	0*	TRACE*	TRACE*	7*
83	TRACE*	2*	TRACE*	0*	0*	0*	0*	0*	0*	0*	TRACE*	1*	2*
84	5*	2*	1*	1*	0*	0*	0*	0*	0*	0*	0*	TRACE*	5*
85	11*	7*	5*	0*	0*	0*	0*	0*	0*	0*	3*	5*	11*
86	4*	4*	2*	TRACE*	0*	0*	0*	0*	0*	0*	0*	2*	4*
87	1*	3*	1*	0*	0*	0*	0*	0*	0*	0*	0*	0*	3*
88	0*	2*	4*	0*	0*	0*	0*	0*	0*	0*	5*	0*	5*
89	0*	0*	0*	0*	0*	*	0*	0*					0*
GREATEST	11	7	7	1	0	0	0	0	0	0	5	9	11
TOTAL OBS	323	289	308	286	266	303	301	336	310	344	324	352	3742

THE GREATEST VALUE OF 11 OCCURRED ON 01/04/85

NOTE: *THE VALUE IS BASED ON A MONTH WITH LESS THAN 90% OF THE DATA AVAILABLE FOR THE MONTH

OPERATING LOCATION 'A'
USAFETAC, ASHEVILLE NC

FIRST AND LAST DAYS OF OCCURRENCE BY SNOW-YEAR
FROM SUMMARY OF DAY DATA

STATION NUMBER: 106530 STATION NAME: GIEBELSTADT AAF/GERMANY

PERIOD OF RECORD: 4608-4712, 5610-6004, 810-8909
SNOW-YEAR: 1 AUG - 31 JUL

SNOW-YEAR		FIRST SNOWFALL	FIRST MEASURABLE SNOWFALL	FIRST MEASURABLE SNOW DEPTH	LAST SNOWFALL	LAST MEASURABLE SNOWFALL	LAST MEASURABLE SNOW DEPTH
46 - 47		NOV 11	NOV 11	DEC 15	DEC 29	DEC 29	DEC 30
47 - 48		OCT 26	NOV 19	NOV 28	DEC 31	DEC 29	DEC 21
56 - 57		NOV 02	NOV 29	DEC 21	JAN 26	JAN 26	JAN 27
57 - 58		NOV 23	MAR 13	JAN 20	APR 09	MAR 21	MAR 24
58 - 59		OCT 16		DEC 09	APR 07		JAN 20
59 - 60				DEC 09			JAN 19
80 - 81		NOV 04	NOV 04	DEC 03	APR 28	APR 27	FEB 20
81 - 82		NOV 09	NOV 12	DEC 04	APR 30	APR 13	JAN 27
82 - 83		NOV 17	DEC 15	FEB 08	APR 13	MAR 23	FEB 14
83 - 84		OCT 31	DEC 07	DEC 07	APR 17	APR 04	APR 04
84 - 85		DEC 10	JAN 02	JAN 02	APR 29	MAR 19	MAR 22
85 - 86		NOV 12	NOV 21	NOV 21	APR 14	APR 10	MAR 04
86 - 87		DEC 16	DEC 22	DEC 22	APR 01	MAR 20	MAR 20
87 - 88		DEC 07	FEB 08	FEB 09	MAR 17	MAR 15	MAR 15
88 - 89		NOV 21	NOV 21	NOV 21	APR 03	FEB 27	NOV 23
MEDIAN-DATE		NOV 11	NOV 29	DEC 09	APR 08	MAR 20	FEB 14

PPPPPPPP	AAAAAA	RRRRRRR	TTTTTTTTT	CCCCC
PPPPPPPPP	AAAAAAA	RRRRRRRR	TTTTTTTTT	CCCCCC
PP PP	AA AA	RR RR	TT	CC CC
PP PP	AA AA	RR RR	TT	CC
PPPPPPPP	AA AA	RRRRRRRR	TT	CC
PPPPPPPP	AAAAAAAAA	RRRRRRRR	TT	CC
PP	AAAAAAAAA	RR RR	TT	CC
PP	AA AA	RR RR	TT	CC CC
PP	AA AA	RR RR	TT	CCCCCC
PP	AA AA	RR RR	TT	CCCCC

PART C

SURFACE WIND SUMMARIES

PEAK WINDS.

THESE TABLES ARE CREATED FROM SUMMARY OF DAY DATA. SPEEDS ARE IN KNOTS. DIRECTIONS ARE TO 16 COMPASS POINTS FROM THE BEGINNING OF PERIOD OF RECORD THROUGH JUNE 1968, BUT IN JULY 1968, ALL STATIONS EXCEPT THOSE OF THE NATIONAL WEATHER SERVICE STARTED RECORDING DIRECTIONS IN TENS OF DEGREES. DATA IS SUMMARIZED BY MONTH FOR EACH YEAR FOR THE ENTIRE PERIOD OF RECORD AVAILABLE. GIVEN: THE GREATEST MONTHLY VALUE FOR ALL YEARS COMBINED, THE GREATEST YEARLY VALUE FOR ALL YEARS COMBINED, AND THE DATE OF THE ABSOLUTE PEAK WIND RECORDED FOR THE ENTIRE PERIOD OF RECORD. AN ASTERISK (*) INDICATES A VALUE FOR A MONTH FOR WHICH LESS THAN 90% OF THE DATA ARE AVAILABLE. AN ASTERISK ALSO DENOTES A YEAR(S) WITH ONE OR MORE MISSING AND/OR INCOMPLETE MONTHS.

PEAK WINDS--PERCENT OCCURRENCE FREQUENCY.

ALSO FROM SUMMARY OF DAY DATA. DATA IS SUMMARIZED BY MONTH, FOR ALL YEARS COMBINED, FOR ELEVEN WIND SPEED GROUPS. THE 1-4 KNOT SPEED GROUP INCLUDES CALM WINDS. IF THE PEAK WIND IS REPORTED FOR A PARTICULAR DAY AS "CALM," THAT COUNT GOES INTO THE "1-4 KNOT" CATEGORY. TABLES INCLUDE MEANS, MEDIANs, AND TOTAL OBSERVATION COUNTS. THE VALUES IN THIS SUMMARY ACCOUNT FOR A PEAK WIND BEING RECORDED FOR EACH DAY OF EACH MONTH.

WIND DIRECTION VS WIND SPEED--PERCENT OCCURRENCE FREQUENCY.

THESE TABLES ARE CREATED FROM HOURLY OBSERVATIONS. THEY SUMMARIZE THE DATA AS FOLLOWS:

- BY EIGHT 3-HOUR STANDARD TIME PERIODS FOR EACH MONTH (ALL YEARS COMBINED).
- BY MONTH (ALL YEARS AND ALL HOURS COMBINED).
- BY YEAR (ALL YEARS AND ALL HOURS COMBINED).

THESE TABLES GIVE A BIVARIATE DISTRIBUTION OF THE PERCENT OCCURRENCE FREQUENCY (POF) FOR ELEVEN WIND SPEED GROUPS VERSUS TWELVE WIND DIRECTION SECTORS GIVEN IN 30 DEGREE INCREMENTS. "CALM" AND "VARIABLE" WINDS ARE GIVEN SEPARATELY. CARDINAL WIND DIRECTIONS (N,E,S,W) APPEAR FOR REFERENCE. TOTAL PERCENTAGES, MEANS, AND MEDIANs FOR EACH SECTOR, ALONG WITH TOTAL OBSERVATION COUNTS, ARE PRINTED BELOW EACH SUMMARY.

ALSO PROVIDED: A BIVARIATE DISTRIBUTION OF WIND DIRECTION VERSUS WIND SPEED FOR SPECIFIED CEILING/VISIBILITY CONDITIONS. THESE CONDITIONS ARE:

WHEN THE VISIBILITY IS GREATER THAN OR EQUAL TO 1/2 MILES (0800 METERS) THE CEILING MUST BE GREATER THAN OR EQUAL TO 200 FEET BUT LESS THAN 1500 FEET. IF THIS CONDITION IS NOT MET, THEN THE FOLLOWING CONDITION IS TESTED: WHEN THE CEILING IS GREATER THAN OR EQUAL TO 200 FEET, THE VISIBILITY MUST BE GREATER THAN OR EQUAL TO 1/2 (0800 METERS) BUT LESS THAN 3 MILES (4800 METERS).

CONVERSION: 1 KNOT = .514791 METERS PER SECOND

OPERATING LOCATION 'A'
USAFETAC, ASHEVILLE NC

PEAK SURFACE WINDS IN KNOTS
FROM SUMMARY OF DAY DATA

STATION NUMBER: 106530		STATION NAME: GIEBELSTADT AAF/GERMANY										PERIOD OF RECORD: 8010-8909			
		LST TO UTC: -01										MONTH: ALL HOURS: ALL			
YEAR		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN	
80															24/*25 25/*23 25/*24 24/*25
81	24/*32	30/*33	26/*36	09/*29	22/*31	24/*36	32/*25	23/*28	08/*21	24/*29	29/*31	27/*36	26/*36		
82	24/*31	26/*21	25/*36	32/*32	24/*29	25/*24	25/*18	27/*29	25/*20	25/*39	25/*32	25/*43	25/*43		
83	26/*38	26/*50	28/*35	30/*34	29/*27	32/*24	22/*23	27/*25	24/*27	23/*26	30/*38	26/*28	26/*50		
84	24/*37	26/*27	26/*21	06/*15	27/*20	29/*10	*	25/*18	24/*29	25/*21	30/*58	30/*33	30/*58		
85	28/*30	26/*26	25/*40	26/*27	28/*29	25/*20	23/*28	28/*45	27/*34	27/*26	23/*34	25/*38	28/*45		
86	27/*62	08/*18	29/*52	27/*32	25/*32	32/*26	27/*35	24/*31	24/*35	26/*50	29/*25	30/*44	27/*62		
87	25/*28	23/*27	30/*33	31/*29	24/*32	24/*40	24/*30	24/*27	26/*38	21/*40	22/*38	23/*24	24/*40		
88	22/*33	23/*38	31/*32	09/*22	08/*24	31/*22	27/*28	30/*29	25/*40	26/*29	36/*28	25/*42	25/*42		
89	23/*20	24/*30	23/*42	28/*28	27/*35	26/*26	29/*29	32/*30						23/*42	
GREATEST		27/ 62	26/ 50	29/ 52	30/ 34	27/ 35	24/ 40	27/ 35	28/ 45	25/ 40	26/ 50	30/ 58	30/ 44	27/ 62	
TOTAL OBS		173	167	202	188	182	137	156	180	170	167	152	161	2035	

THE PEAK WIND OF 62 FROM 27/ OCCURRED ON 01/20/86

NOTE: *THE VALUE IS BASED ON A MONTH WITH LESS THAN 90% OF DATA AVAILABLE FOR THE MONTH
\$THE VALUE IS 100 OR GREATER WITH LESS THAN 90% OF DATA AVAILABLE FOR THE MONTH

OPERATING LOCATION 'A'
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF DAILY PEAK WINDS
FROM SUMMARY OF DAY DATA

MONTH	WIND SPEEDS IN KNOTS										MEAN WIND GE 65	MEDIAN WIND	TOTAL OBS	
	CALM-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64				
JAN	3.5	20.2	23.7	20.2	11.6	11.0	6.9	2.3	.0	.6	.0	16.6	16.0	173
FEB	1.2	28.1	31.1	18.0	7.8	7.8	4.8	.6	.0	.6	.0	14.7	13.0	167
MAR	.5	16.3	28.2	16.3	16.3	10.4	7.4	2.5	1.5	.5	.0	18.0	16.0	202
APR	.5	13.8	25.5	26.6	21.8	8.5	3.2	.0	.0	.0	.0	16.7	16.0	188
MAY	.0	8.2	33.5	31.9	17.0	6.6	2.2	.5	.0	.0	.0	16.3	15.0	182
JUN	.0	7.3	35.8	29.2	20.4	4.4	1.5	.7	.7	.0	.0	16.4	16.0	137
JUL	.0	9.6	44.9	27.6	11.5	5.1	.6	.6	.0	.0	.0	15.0	14.0	156
AUG	.6	10.6	31.7	35.0	13.3	6.7	1.1	.0	1.1	.0	.0	16.0	15.5	180
SEP	.2	15.3	34.1	26.5	15.9	3.5	1.8	1.2	.6	.0	.0	15.3	14.0	170
OCT	1.2	22.2	31.7	22.8	12.0	6.0	1.2	1.8	.6	.6	.0	15.1	14.0	167
NOV	.8	21.7	34.2	17.1	11.8	7.2	3.3	1.3	.0	.7	.0	15.0	13.0	152
DEC	.9	17.4	34.2	16.8	11.8	8.1	4.3	1.9	3.7	.0	.0	16.5	13.0	161
ANNUAL		15.9	32.1	24.0	14.3	7.2	3.3	1.1	.7	.2	.0	16.0	15.0	2035

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106530 STATION NAME: GIEBELSTADT AAF GERMANY PERIOD OF RECORD: OCT 80 - SEP 89
LST TO UTC: - 1 MONTH: JAN HOURS: 06-08

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND	MEDIAN WIND	
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	1.5	1.0										2.5	4.4	4.0
020-040	1.0	2.3	.6	.2								4.2	6.9	6.5
050-070	1.3	2.5										3.8	5.3	6.0
(E) 080-100	3.1	2.7										5.9	4.6	4.0
110-130	2.7	1.9										4.6	4.4	4.0
140-160	2.1	1.3										3.4	4.2	4.0
(S) 170-190	3.6	.8										4.4	3.7	4.0
200-220	4.4	3.6	1.3	.4								9.6	5.8	5.0
230-250	2.9	6.7	5.7	2.7	1.3							19.3	10.1	9.5
(W) 260-280	1.5	5.0	6.3	2.5	.6							15.9	10.7	11.0
290-310	1.3	.8	1.5	1.0	.2							4.8	10.3	13.0
320-340	1.5	.2	.2									1.9	4.0	3.0
VARIABLE												.2	7.0	7.0
CALM	/	/	/	/	/	/	/	/	/	/	/	19.5	/	/
TOTALS	26.9	29.0	15.6	6.8	2.1							100.0	6.2	6.0

TOTAL NUMBER OF OBSERVATIONS 477

OPERATING LOCATION "A"
USAFTAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106530 STATION NAME: GIEBELSTADT AAF GERMANY PERIOD OF RECORD: OCT 80 - SEP 89
LST TO UTC: - 1 MONTH: JAN HOURS: 09-11

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND	MEDIAN WIND	
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	.5	1.1	.2									1.8	5.9	6.0
020-040	1.8	2.1	.5	.2								4.6	6.1	6.5
050-070	2.1	1.9	.5									4.6	5.4	5.5
(E) 080-100	3.4	3.5	.2									7.1	5.1	5.0
110-130	3.9	1.9	.2	.2								6.2	4.9	4.0
140-160	3.7	1.1										4.8	3.3	3.0
(S) 170-190	2.5	1.2	.2									3.9	4.2	4.0
200-220	3.2	4.2	2.1	.4								9.9	7.0	6.0
230-250	3.2	6.9	6.7	2.8	.7	.2						20.5	10.2	10.0
(W) 260-280	2.7	4.4	4.2	3.0	1.1							15.4	10.6	10.0
290-310	1.2	.7	1.2	.9	.2							4.2	10.0	11.0
320-340	.4	.5	.9	.4								2.1	9.2	10.0
VARIABLE														
CALM	/	/	/	/	/	/	/	/	/	/	/	14.9	/	/
TOTALS	28.6	29.5	16.9	7.9	2.0	.2						100.0	6.6	7.0

TOTAL NUMBER OF OBSERVATIONS 565

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106530 STATION NAME: GIEBELSTADT AAF GERMANY PERIOD OF RECORD: OCT 80 - SEP 89
LST TO UTC: - 1 MONTH: JAN HOURS: 12-14

DIRECTION (DEGREES)	WIND SPEED IN KNOIS										TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30 >4	35-39	40-49	50-64			
(N) 350-010	1.2	.9	.4								2.5	5.6	5.0
020-040	.9	2.3	.7								3.9	7.2	7.5
050-070	3.5	2.5	.4								6.3	4.4	4.0
(E) 080-100	3.2	3.0	.7								6.9	5.1	5.0
110-130	3.0	3.3	.4								6.7	5.4	5.0
140-160	1.9	1.2	.4								3.5	5.3	4.0
(S) 170-190	1.9										1.9	2.5	2.0
200-220	1.1	2.1	1.9	.7							5.8	8.4	8.0
230-250	2.1	7.7	9.5	3.2	1.6	.2					24.3	11.0	10.0
(W) 260-280	1.1	4.2	6.9	4.7	.9						17.8	11.9	13.0
290-310	.5	1.9	1.8	.5							4.7	9.0	9.0
320-340	.4	.9	.7	.2							2.1	8.2	7.0
VARIABLE		.5	.2								.7	9.3	8.5
CALM	/	/	/	/	/	/	/	/	/	/	13.0	/	/
TOTALS	20.8	30.5	24.0	9.3	2.5	.2					100.0	7.6	8.0

TOTAL NUMBER OF OBSERVATIONS 569

OPERATING LOCATION "A"
USAFTAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106530 STATION NAME: GIEBELSTADT AAF GERMANY PERIOD OF RECORD: OCT 80 - SEP 89
LST TO UTC: - 1 MONTH: JAN HOURS: 15-17

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND	MEDIAN WIND	
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	2.2	1.1	.4									3.6	4.6	3.0
020-040	2.9	2.2	1.1									6.1	5.9	5.0
050-070	3.1	2.2										5.2	4.8	4.0
(E) 080-100	4.1	3.4	.7									8.3	4.8	4.5
110-130	2.2	1.4										3.6	4.3	3.5
140-160	1.6	2.0										3.6	5.1	5.0
(S) 170-190	1.8	.4										2.2	3.3	3.0
200-220	2.2	1.3	1.1	.5	.2							5.2	7.9	8.0
230-250	2.9	7.7	8.3	3.4	.7							23.0	10.3	10.0
(W) 260-280	1.1	4.1	6.6	4.3	1.1							17.2	11.8	12.0
290-310	1.6	2.0	1.6	.2								5.4	7.8	8.0
320-340	.5	.9	.4									1.8	6.1	6.0
VARIABLE	.4	.4	.2									.9	11.2	10.0
CALM	/	/	/	/	/	/	/	/	/	/	/	14.0	/	/
TOTALS	26.2	29.1	20.6	8.6	2.0							100.0	7.0	8.0

TOTAL NUMBER OF OBSERVATIONS 557

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106530

STATION NAME: GIEBELSTADT AAF GERMANY
LST TO UTC: - 1

PERIOD OF RECORD: OCT 80 - SEP 89
MONTH: JAN HOURS: 18-20

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	2.8	.4	.4									3.7	4.1	3.0
020-040	3.5	2.8	.4	.2								6.9	5.3	4.5
050-070	2.8	2.8										5.6	4.2	4.5
(E) 080-100	2.2	2.4										4.5	4.4	5.0
110-130	3.5	1.5	.4									5.4	4.4	4.0
140-160	2.8	.9	.2									3.9	3.8	3.0
(S) 170-190	3.7	.9		.2								4.8	4.4	4.0
200-220	2.4	3.7	.9	.2	.2							7.4	6.8	6.0
230-250	3.0	8.9	6.1	3.7	.6							22.3	9.7	9.0
(W) 260-280	2.6	4.8	3.9	2.2	.4							13.9	9.4	9.0
290-310	.4	1.3	1.1	1.3	.2							4.3	11.0	12.0
320-340	1.1	.6	.2									1.9	5.3	4.0
VARIABLE	.2	.9	.9									1.9	8.6	8.0
CALM	/	/	/	/	/	/	/	/	/	/	/	13.4	/	/
TOTALS	31.0	31.9	14.5	7.8	1.4							100.0	6.2	6.0

TOTAL NUMBER OF OBSERVATIONS 462

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106530 STATION NAME: GIEBELSTADT AAF GERMANY PERIOD OF RECORD: OCT 80 - SEP 89
LST TO UTC: - 1 MONTH: JAN HOURS: 21-23

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND	MEDIAN WIND	
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	2.1	1.3										3.3	4.1	3.5
020-040	2.5	2.9	.8									6.3	5.8	5.0
050-070	2.9	1.3										4.2	3.9	3.5
(E) 080-100	1.3	2.9	.4									4.6	5.5	5.0
110-130	2.5	2.9										5.4	4.4	5.0
140-160	2.5	2.9										5.4	4.5	5.0
(S) 170-190	5.4	.8										6.3	3.1	3.0
200-220	3.8	4.2	1.7	.4	.4							10.5	7.2	6.0
230-250	3.8	5.9	5.9	2.9	.4							18.8	9.4	9.0
(W) 260-280	2.5	2.5	5.4	1.3	.4							12.1	9.8	10.0
290-310	1.7	1.7	.8	.8								5.0	8.3	6.5
320-340	1.3	1.7	.4									3.3	5.4	5.0
VARIABLE		.8	.4									1.3	9.0	8.0
CALM	/	/	/	/	/	/	/	/	/	/	/	13.4	/	/
TOTALS	32.3	31.8	15.8	5.4	1.2							100.0	6.0	5.0

TOTAL NUMBER OF OBSERVATIONS 239

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106530

STATION NAME: GIEBELSTADT AAF GERMANY
LST TO UTC: - 1

PERIOD OF RECORD: OCT 80 - SEP 89
MONTH: JAN HOURS: ALL

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL	MEAN	MEDIAN	
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	1.6	.9	.2									2.8	4.8	4.0
020-040	2.0	2.4	.7	.1								5.2	6.1	6.0
050-070	2.6	2.3	.2									5.1	4.7	4.0
(E) 080-100	3.1	3.0	.3									6.4	4.9	5.0
110-130	3.0	2.1	.2	.0								5.3	4.8	4.0
140-160	2.4	1.4	.1									4.0	4.3	4.0
(S) 170-190	2.9	.7	.0	.0								3.6	3.7	4.0
200-220	2.7	3.0	1.5	.5	.1							7.8	7.1	6.0
230-250	2.9	7.4	7.2	3.1	.9	.1						21.7	10.2	10.0
(W) 260-280	1.8	4.3	5.6	3.2	.8							15.8	10.9	11.0
290-310	1.1	1.4	1.4	.8	.1							4.7	9.3	8.0
320-340	.8	.7	.5	.1								2.1	6.6	6.0
VARIABLE	.0	.4	.3	.0								.8	9.3	8.0
CALM	/	/	/	/	/	/	/	/	/	/	/	14.7	/	/
TOTALS	26.9	30.0	18.2	7.8	1.9	.1						100.0	6.7	7.0

TOTAL NUMBER OF OBSERVATIONS 2869

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106530 STATION NAME: GIEBELSTADT AAF GERMANY PERIOD OF RECORD: OCT 80 - SEP 89
LST TO UTC: - 1 MONTH: JAN HOURS: ALL

CATEGORY A: CEILING GE 200 BUT LESS THAN 1500 FEET WITH VISIBILITY GE 1/2 MILE (0800 METERS).

AND/OR

VISIBILITY GE 1/2 MILE (0800 METERS) BUT LESS THAN 3 MILES (4800 METERS) WITH CEILING GE 200 FEET.

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL	MEAN	MEDIAN	
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	2.3	1.2										3.5	4.0	3.5
020-040	3.2	3.6	1.5	.2								8.6	6.6	6.0
050-070	3.8	2.3										6.1	3.9	4.0
(E) 080-100	4.1	5.1	.2									9.4	4.9	5.0
110-130	4.5	4.6	.2	.1								9.5	5.1	5.0
140-160	3.2	2.3	.1									5.7	4.2	4.0
(S) 170-190	2.3	.6										2.9	3.4	3.0
200-220	2.2	.9	.7	.6								4.4	7.0	4.5
230-250	3.2	4.4	4.2	1.5								13.3	8.9	8.0
(W) 260-280	1.3	2.7	2.8	2.4								9.2	10.3	10.0
290-310	.1	.7	1.2	.6								2.6	10.8	10.0
320-340	.3	.3	.1									.8	4.9	5.0
VARIABLE														
CALM	/	/	/	/	/	/	/	/	/	/	/	24.0	/	/
TOTALS	30.5	28.7	11.0	5.4								100.0	5.0	5.0

TOTAL NUMBER OF OBSERVATIONS 862

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106530

STATION NAME: GIEBELSTADT AAF GERMANY
LST TO UTC: - 1

PERIOD OF RECORD: OCT 80 - SEP 89
MONTH: FEB HOURS: 06-08

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64			
(N) 350-010	5.7	.9									6.6	3.4	4.0
020-040	7.9	3.4	.5								11.8	3.8	4.0
050-070	10.2	5.4									15.6	4.0	4.0
(E) 080-100	4.8	3.6									.4	4.6	4.0
110-130	2.0	1.1	.2								3.4	5.2	4.0
140-160	3.2	.5									3.6	3.1	3.0
(S) 170-190	.7	.2									.9	3.3	3.0
200-220	1.8	.9	1.1	.5	.2						4.5	7.9	8.5
230-250	2.5	4.8	3.4	1.1	.5			.2			12.4	9.0	9.0
(W) 260-280	2.5	3.6	.7	.2			.7				7.7	8.3	6.0
290-310	.5	.9	.5								1.8	6.4	5.5
320-340	1.1	.7	.5								2.3	5.4	5.5
VARIABLE	.5										.5	9.0	9.0
CALM	//////////										20.6	//////////	
TOTALS	42.9	26.5	6.9	1.8	.7	.7	.2				100.0	4.4	4.0

TOTAL NUMBER OF OBSERVATIONS 442

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106530 STATION NAME: GIEBELSTADT AAF GERMANY PERIOD OF RECORD: OCT 80 - SEP 89
LST TO UTC: - 1 MONTH: FEB HOURS: 12-14

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-4			
(N) 350-010	4.2	2.3	.2								6.7	4.5	4.0
020-040	2.9	5.5	.4	.2							9.0	5.5	5.0
050-070	5.2	6.9	1.1								13.2	5.5	5.0
(E) 080-100	3.8	6.9	1.0								11.7	5.9	6.0
110-130	1.3	4.0	1.9								7.3	6.8	6.5
140-160	1.7	1.5	.2								3.4	5.2	4.5
(S) 170-190	.2	.4	.2								.8	7.3	7.5
200-220	.8	1.9	1.1	.2							4.0	8.0	8.0
230-250	2.7	2.7	4.6	4.4	1.9						16.3	12.0	13.0
(W) 260-280	.8	1.3	1.9	.8		.2		.2			5.2	11.6	10.0
290-310	.4	2.3	1.1	1.5	.2						5.5	10.7	10.0
320-340	1.3	1.1	.6	.2							3.3	6.5	6.0
VARIABLE		.6	.2								.8	8.3	8.0
CALM	/	/	/	/	/	/	/	/	/	/	13.0	/	/
TOTALS	25.3	37.4	14.5	7.3	2.1	.2		.2			100.0	6.7	7.0

TOTAL NUMBER OF OBSERVATIONS 523

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106530 STATION NAME: GIEBELSTADT AAF GERMANY PERIOD OF RECORD: OCT 80 - SEP 89
LST TO UTC: - 1 MONTH: FEB HOURS: 15-17

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	4.0	1.3										5.4	3.4	3.0
020-040	7.1	5.4	.4									12.9	4.6	4.0
050-070	6.7	6.7	.6									14.0	5.2	5.0
(E) 080-100	6.0	6.1	.4									12.5	5.1	5.0
110-130	1.9	3.3	.8									6.0	6.2	6.0
140-160	1.7	.6										2.3	3.6	3.0
(S) 170-190	.2	.6	.2									1.0	6.8	7.0
200-220	2.7	1.3	1.2									5.2	6.0	4.0
230-250	1.5	3.6	4.4	2.9	.8	.2						13.4	11.3	10.0
(W) 260-280	.8	3.1	2.9	1.0	.2		.4					8.3	10.8	10.0
290-310	.6	1.7	1.3	.6	.2							4.4	9.8	9.0
320-340	1.0	.6	1.0	.2								2.7	7.8	6.5
VARIABLE	.2	.2	.2									.6	12.0	14.0
CALM	/	/	/	/	/	/	/	/	/	/	/	11.5	/	/
TOTALS	34.2	34.5	13.4	4.9	1.2	.2	.4					100.0	6.1	6.0

TOTAL NUMBER OF OBSERVATIONS 521

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106530

STATION NAME: GIEBELSTADT AAF GERMANY
LST TO UTC: - 1

PERIOD OF RECORD: OCT 80 - SEP 89
MONTH: FEB HOURS: 18-20

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND	MEDIAN WIND	
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	4.6	1.1										5.7	2.9	2.0
020-040	7.2	3.3	.4									10.9	4.1	4.0
050-070	8.5	4.8	1.3									14.6	4.8	4.0
(E) 080-100	4.6	3.9	.4									8.9	4.5	4.0
110-130	4.6	.9	.9									6.3	4.2	3.0
140-160	1.1	.2										1.3	2.7	2.0
(S) 170-190	1.1											1.1	2.6	2.0
200-220	1.5	2.4	.4	.2								4.6	6.4	6.0
230-250	2.6	4.4	1.7	2.4	1.1							12.2	10.1	8.0
(W) 260-280	3.1	2.8	2.6	.9								9.4	7.7	7.0
290-310	.9	1.5	.9	.2								3.5	8.3	8.0
320-340	1.1	1.1	1.1	.4								3.7	8.4	8.0
VARIABLE			.4									.4	12.0	12.0
CALM	/	/	/	/	/	/	/	/	/	/	/	17.4	/	/
TOTALS	40.9	26.4	10.1	4.1	1.1							100.0	4.9	5.0

TOTAL NUMBER OF OBSERVATIONS 459

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106530 STATION NAME: GIEBELSTADT AAF GERMANY PERIOD OF RECORD: OCT 80 - SEP 89
LST TO UTC: - 1 MONTH: FEB HOURS: 21-23

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND	MEDIAN WIND	
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	5.0	1.7										6.7	3.7	4.0
020-040	6.3	3.3	.4									10.0	4.0	3.5
050-070	6.7	6.3	.4									13.4	4.9	4.5
(E) 080-100	6.3	2.5										8.8	3.7	3.0
110-130	2.1	2.1										4.2	5.0	4.5
140-160	2.1	.4										2.5	3.3	3.0
(S) 170-190	3.3											3.3	3.0	3.0
200-220	2.1	2.5	.8	.8								6.3	7.5	8.0
230-250	.8	3.3	5.9	1.7	.4							12.1	10.5	11.0
(W) 260-280	2.9	2.1	1.3	.4								6.7	6.1	5.0
290-310	.8	1.3	1.3									3.3	8.3	8.5
320-340	.4	1.7	.8									2.9	6.9	5.0
VARIABLE		.4										.4	9.0	9.0
CALM	/	/	/	/	/	/	/	/	/	/	/	19.2	/	/
TOTALS	38.8	27.6	10.9	2.9	.4							100.0	4.7	5.0

TOTAL NUMBER OF OBSERVATIONS 239

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106530

STATION NAME: GIEBELSTADT AAF GERMANY
LST TO UTC: - 1

PERIOD OF RECORD: OCT 80 - SEP 89
MONTH: FEB HOURS: ALL

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL	MEAN	MEDIAN
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	4.4	1.4	.1									6.0	3.7	4.0
020-040	6.0	4.5	.4	.0								11.0	4.5	4.0
050-070	7.2	6.7	.7									14.5	4.9	5.0
(E) 080-100	4.8	4.9	.4									10.1	5.0	5.0
110-130	2.5	2.6	.8									5.8	5.5	5.0
140-160	1.9	.7	.0									2.7	3.9	3.0
(S) 170-190	.9	.6	.1									1.7	4.6	4.0
200-220	1.5	1.6	1.0	.5	.0							4.6	7.7	8.0
230-250	2.0	3.7	3.9	2.6	.8	.0	.0					13.2	10.7	10.0
(W) 260-280	1.7	2.8	2.1	.6	.1	.2	.1	.0				7.6	9.3	8.0
290-310	.7	1.4	1.1	.6	.1							3.9	9.4	9.0
320-340	1.1	1.2	.7	.1								3.1	6.8	6.0
VARIABLE		.3	.1	.0								.5	9.7	9.0
CALM	/	/	/	/	/	/	/	/	/	/	/	15.3	/	/
TOTALS	34.7	32.4	11.4	4.4	1.0	.2	.1					100.0	5.5	5.0

TOTAL NUMBER OF OBSERVATIONS 2708

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106530 STATION NAME: GIEBELSTADT AAF GERMANY PERIOD OF RECORD: OCT 80 - SEP 89
LST TO UTC: - 1 MONTH: FEB HOURS: ALL

CATEGORY A: CEILING GE 200 BUT LESS THAN 1500 FEET WITH VISIBILITY GE 1/2 MILE (0800 METERS).
AND/OR
VISIBILITY GE 1/2 MILE (0800 METERS) BUT LESS THAN 3 MILES (4800 METERS) WITH CEILING GE 200 FEET.

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL	MEAN	MEDIAN	
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	7.0	1.9										9.0	3.5	4.0
020-040	10.2	7.3	.6	.1								18.2	4.4	4.0
050-070	8.5	3.9	.2									12.6	4.0	4.0
(E) 080-100	4.8	2.8										7.6	4.1	4.0
110-130	2.2	2.3										4.5	4.7	5.0
140-160	2.4	.4										2.8	3.0	3.0
(S) 170-190	.4	.1	.1									.6	5.8	4.0
200-220	1.1	.5	.5	.4								2.4	7.3	6.5
230-250	2.3	3.9	2.9	1.1	.1							10.3	8.7	9.0
(W) 260-280	1.0	2.5	.7	.2								4.5	7.3	8.0
290-310	.5	.7		.1								1.3	5.6	5.0
320-340	1.6	1.1	.2									2.9	4.9	4.0
VARIABLE														
CALM	/	/	/	/	/	/	/	/	/	/	/	23.3	/	/
TOTALS	42.0	27.4	5.2	1.9	.1							100.0	3.9	4.0

TOTAL NUMBER OF OBSERVATIONS 825

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106530

STATION NAME: GIEBELSTADT AAF GERMANY
LST TO UTC: - 1

PERIOD OF RECORD: OCT 80 - SEP 89
MONTH: MAR HOURS: 06-08

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND	MEDIAN WIND	
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	1.1	1.1	.4									2.7	6.4	6.5
020-040	4.4	1.9	1.3									7.6	4.9	4.0
050-070	5.7	.4										6.1	2.7	2.5
(E) 080-100	2.5	1.0										3.4	3.4	3.5
110-130	1.1	1.7										2.9	4.4	5.0
140-160	1.0											1.0	2.4	2.0
(S) 170-190	2.9	.6	.4									3.8	4.4	4.0
200-220	2.9	5.5	1.3	.4								10.1	6.7	6.0
230-250	3.2	6.3	5.1	1.5	.6							16.8	9.3	8.0
(W) 260-280	3.2	4.6	3.2	1.3	.2							12.6	8.0	7.5
290-310	1.3	2.1	1.3									4.8	6.7	7.0
320-340	2.1	.4										2.5	3.5	3.0
VARIABLE		.2	.4									.6	9.0	10.0
CALM	/	/	/	/	/	/	/	/	/	/	/	25.3	/	/
TOTALS	31.4	25.8	13.4	3.2	.8							100.0	4.8	6.0

TOTAL NUMBER OF OBSERVATIONS 525

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106530 STATION NAME: GIEBELSTADT AAF GERMANY PERIOD OF RECORD: OCT 80 - SEP 89
LST TO UTC: - 1 MONTH: MAR HOURS: 09-11

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64			
(N) 350-010	1.8	.3	.8								2.9	5.4	3.0
020-040	2.8	3.3	.7								6.7	5.7	5.0
050-070	3.9	1.8	.2								5.9	4.0	3.0
(E) 080-100	3.3	2.0	.2								5.4	3.7	4.0
110-130	1.8	3.3	.2								5.2	5.4	5.5
140-160	2.1	.5									2.6	3.3	2.5
(S) 170-190	2.4	1.0	.3								3.7	4.4	4.0
200-220	2.0	4.1	2.3	.3	.3						8.9	8.4	8.0
230-250	1.5	5.5	9.9	4.9	1.3						23.1	11.8	12.0
(W) 260-280	2.6	4.1	4.7	1.6	.3						13.3	9.2	9.5
290-310	1.0	2.6	1.5	.3	.2						5.5	8.7	8.0
320-340	.5	.8	.5								1.8	6.5	7.0
VARIABLE		.8	.3	.2							1.3	9.5	8.5
CALM	/	/	/	/	/	/	/	/	/	/	13.7	/	/
TOTALS	25.7	30.1	21.6	7.3	2.1						100.0	6.9	7.0

TOTAL NUMBER OF OBSERVATIONS 615

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106530 STATION NAME: GIEBELSTADT AAF GERMANY PERIOD OF RECORD: OCT 80 - SEP 89
LST TO UTC: - 1 MONTH: MAR HOURS: 12-14

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL % WIND	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	1.5	.8	.3									2.6	5.2	4.0
020-040	2.6	2.3	.7									5.6	5.1	5.0
050-070	3.1	2.9	.3									6.4	4.9	5.0
(E) 080-100	3.9	3.8										7.7	4.4	4.0
110-130	2.0	2.0	.3									4.2	5.2	5.0
140-160	1.3	.3	.2									1.8	4.0	3.0
(S) 170-190	.5	1.0	.2									1.6	6.3	6.5
200-220	1.3	3.3	1.5	.7	.3							7.0	8.3	8.0
230-250	1.6	5.1	10.9	6.5	2.3	.2	.2					26.8	12.7	13.0
(W) 260-280	1.0	4.1	5.4	3.1	1.5							15.0	11.6	12.0
290-310	1.8	2.6	2.5	.7	.3							7.8	8.8	9.0
320-340	1.1	1.6	.7									3.4	6.9	8.0
VARIABLE		1.5	.7		.2							2.3	9.9	9.0
CALM	/	/	/	/	/	/	/	/	/	/	/	7.7	/	/
TOTALS	21.7	31.3	23.7	11.0	4.6	.2	.2					100.0	8.3	8.0

TOTAL NUMBER OF OBSERVATIONS 612

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106530		STATION NAME: GIEBELSTADT AAF GERMANY										PERIOD OF RECORD: OCT 80 - SEP 89			
		LST TO UTC: - 1										MONTH: MAR HOURS: 15-17			
		WIND SPEED IN KNOTS													
DIRECTION (DEGREES)		1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65	TOTAL %	MEAN WIND	MEDIAN WIND
(N) 350-010		3.0	.3	.5									3.8	4.0	3.0
020-040		2.6	2.6	.8									6.1	5.0	5.0
050-070		3.1	2.5	.3									6.0	4.7	4.0
(E) 080-100		3.6	2.8	.3									6.8	4.4	4.0
110-130		2.0	2.3										4.3	4.7	5.0
140-160		1.2		.2									1.3	3.6	3.0
(S) 170-190		1.5	1.2	.2									2.8	4.9	4.0
200-220		2.1	3.3	1.8	.2	.2							7.6	7.7	8.0
230-250		1.0	5.1	7.8	6.3	1.0	.2						21.3	12.2	12.0
(W) 260-280		1.3	5.0	6.9	3.1	.3	.2						16.9	11.0	10.0
290-310		1.	3.5	3.6	.8	.3							9.6	9.5	9.5
320-340		2.0	1.8	.8									4.6	6.0	5.5
VARIABLE		1.0	.7	.2									1.8	10.3	9.0
CALM		/	/	/	/	/	/	/	/	/	/		7.1	/	/
TOTALS		24.7	31.4	23.9	10.6	1.8	.4						100.0	7.9	8.0

TOTAL NUMBER OF OBSERVATIONS 605

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106530

STATION NAME: GIEBELSTADT AAF GERMANY
LST TO UTC: - 1

PERIOD OF RECORD: OCT 80 - SEP 89
MONTH: MAR HOURS: 18-20

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND	MEDIAN WIND	
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	1.1	.4	.2									1.7	4.8	4.0
020-040	4.8	2.3	.6	.2								7.8	4.8	4.0
050-070	4.8	1.5										6.3	3.4	3.0
(E) 080-100	4.6	1.0										5.5	3.0	3.0
110-130	1.9	.2										2.1	2.7	3.0
140-160	2.3	.4										2.7	3.2	3.0
(S) 170-190	1.9	.4										2.3	2.6	2.0
200-220	2.9	3.6	2.1	.6	.2	.2						9.5	8.0	6.0
230-250	4.8	7.0	6.3	1.1	.2							19.4	8.2	8.0
(W) 260-280	4.0	5.1	5.1	.6	.2							15.0	8.1	8.0
290-310	1.9	1.5	.8	.6	.2							5.0	7.3	5.5
320-340	1.3	1.7	1.0									4.0	6.0	6.0
VARIABLE		.2	.2									.4	8.5	8.5
CALM	/	/	/	/	/	/	/	/	/	/	/	18.3	/	/
TOTALS	36.3	25.3	16.3	3.1	.8	.2						100.0	5.2	5.0

TOTAL NUMBER OF OBSERVATIONS 525

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106530 STATION NAME: GIEBELSTADT AAF GERMANY PERIOD OF RECORD: OCT 80 - SEP 89
LST TO UTC: - 1 MONTH: MAR HOURS: 21-23

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	.4	.4										.7	3.5	3.5
020-040	4.7	1.4										6.1	3.4	3.0
050-070	6.8	.7	.7									8.2	3.5	3.0
(E) 080-100	2.2	1.1										3.2	3.8	4.0
110-130	2.5											2.5	2.4	2.0
140-160	2.2	.4										2.5	3.1	3.0
(S) 170-190	2.9	2.2										5.0	4.1	4.0
200-220	4.7	3.6	.7	.4								9.3	5.7	4.5
230-250	3.6	9.0	5.7	2.2								20.4	8.4	8.0
(W) 260-280	5.7	5.0	1.8	1.4	.4							14.3	7.4	6.0
290-310	2.5	1.1	1.1									4.7	5.2	4.0
320-340	1.1	1.1										2.2	4.8	4.5
VARIABLE														
CALM	/	/	/	/	/	/	/	/	/	/	/	20.8	/	/
TOTALS	39.3	26.0	10.0	4.0	.4							100.0	4.6	5.0

TOTAL NUMBER OF OBSERVATIONS 279

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106530

STATION NAME: GIEBELSTADT AAF GERMANY
LST TO UTC: - 1

PERIOD OF RECORD: OCT 80 - SEP 89
MONTH: MAR HOURS: ALL

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL	MEAN	MEDIAN	
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	1.6	.6	.4									2.6	5.0	4.0
020-040	3.5	2.4	.7	.0								6.6	5.0	4.0
050-070	4.3	1.8	.2									6.3	3.9	3.0
(E) 080-100	3.4	2.1	.1									5.6	3.9	4.0
110-130	1.8	1.8	.1									3.7	4.6	5.0
140-160	1.6	.3	.1									1.9	3.4	3.0
(S) 170-190	1.9	.9	.2									3.0	4.4	4.0
200-220	2.4	3.9	1.7	.4	.2	.0						8.6	7.6	7.0
230-250	2.4	6.0	7.9	4.0	1.0	.1	.0					21.6	10.9	11.0
(W) 260-280	2.7	4.6	4.8	2.0	.5	.0						14.6	9.6	10.0
290-310	1.6	2.4	1.9	.4	.2							6.5	8.3	8.0
320-340	1.4	1.3	.5									3.2	5.8	5.0
VARIABLE		.7	.4	.1	.0							1.2	9.8	9.0
CALM	/	/	/	/	/	/	/	/	/	/	/	14.6	/	/
TOTALS	28.6	28.8	19.0	6.9	1.9	.1						100.0	6.5	7.0

TOTAL NUMBER OF OBSERVATIONS 3161

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106530 STATION NAME: GIEBELSTADT AAF GERMANY PERIOD OF RECORD: OCT 80 - SEP 89
LST TO UTC: - 1 MONTH: MAR HOURS: ALL

CATEGORY A: CEILING GE 200 BUT LESS THAN 1500 FEET WITH VISIBILITY GE 1/2 MILE (0800 METERS).

AND/OR

VISIBILITY GE 1/2 MILE (0800 METERS) BUT LESS THAN 3 MILES (4800 METERS) WITH CEILING GE 200 FEET.

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND	MEDIAN WIND	
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	3.6	.9	.5									5.0	4.5	3.0
020-040	5.6	4.7	1.3	.2								11.7	5.0	5.0
050-070	6.3	2.7										9.0	3.7	3.0
(E) 080-100	1.6	1.4										3.1	4.2	4.0
110-130	1.4	.9										2.3	3.9	3.0
140-160	1.1											1.1	2.2	2.5
(S) 170-190	1.1											1.1	3.2	3.5
200-220	2.3	3.4	.4									6.1	5.9	5.5
230-250	1.1	6.1	4.7	.4								12.3	8.6	8.0
(W) 260-280	3.6	4.5	3.8	.9	.5							13.3	8.3	8.0
290-310	1.1	.5	.5	.5								2.7	8.3	5.0
320-340	1.3	.4	.4									2.0	4.3	3.0
VARIABLE														
CALM	/	/	/	/	/	/	/	/	/	/	/	30.3	/	/
TOTALS	30.1	25.5	11.6	2.0	.5							100.0	4.3	5.0

TOTAL NUMBER OF OBSERVATIONS 555

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106530

STATION NAME: GIEBELSTADT AAF GERMANY
LST TO UTC: - 1

PERIOD OF RECORD: OCT 80 - SEP 89
MONTH: APR HOURS: 06-08

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64			
(N) 350-010	4.2	3.0	.7								7.9	5.0	4.0
020-040	6.5	4.7	.9	.2							12.3	5.0	4.0
050-070	6.3	2.1	.2								8.6	3.6	3.0
(E) 080-100	2.8	1.4	.2								4.4	4.2	4.0
110-130	1.4	.7	.4								2.5	4.5	4.0
140-160	1.2	.2									1.4	2.9	2.0
(S) 170-190	1.8										1.8	2.2	2.0
200-220	2.5	2.8									5.3	4.5	5.0
230-250	5.3	4.9	4.4	.7							15.3	7.5	8.0
(W) 260-280	5.8	6.0	1.4	.7							13.9	6.1	6.0
290-310	1.2	1.8									3.0	5.4	5.0
320-340	1.6	1.2									2.8	4.2	4.0
VARIABLE			.2								.2	11.0	11.0
CALM	/	/	/	/	/	/	/	/	/	/	20.9	/	/
TOTALS	40.6	28.8	8.4	1.6							100.0	4.2	4.0

TOTAL NUMBER OF OBSERVATIONS 570

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106530 STATION NAME: GIEBELSTADT AAF GERMANY PERIOD OF RECORD: OCT 80 - SEP 89
LST TO UTC: - 1 MONTH: APR HOURS: 09-11

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND	MEDIAN WIND	
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	3.4	2.6	1.2									7.2	5.5	5.0
020-040	3.0	4.6	1.1	.2								8.8	5.9	5.5
050-070	6.5	4.2	.7									11.5	4.7	4.0
(E) 080-100	4.2	5.1	1.4									10.8	5.5	5.0
110-130	1.4	1.6	.7									3.7	6.4	6.0
140-160	1.4	.7										2.1	4.2	4.0
(S) 170-190	1.1	1.1										2.1	4.3	4.0
200-220	1.2	1.8	.9									3.9	6.9	7.0
230-250	3.4	5.3	6.7	2.1	.2							17.6	9.4	10.0
(W) 260-280	2.8	3.7	3.9	1.1								11.5	8.3	8.0
290-310	1.6	2.6	1.8	.2								6.2	7.6	7.0
320-340	1.6	1.2	.5									3.4	5.4	5.0
VARIABLE	1.9	1.6										3.5	9.5	9.0
CALM	/	/	/	/	/	/	/	/	/	/	/	7.8	/	/
TOTALS	31.6	36.4	20.5	3.6	.2							100.0	6.3	6.0

TOTAL NUMBER OF OBSERVATIONS 567

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106530 STATION NAME: GIEBELSTADT AAF GERMANY PERIOD OF RECORD: OCT 80 - SEP 89
LST TO UTC: - 1 MONTH: APR HOURS: 12-14

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64			
(N) 350-010	2.1	2.3	1.6	.2							6.2	7.1	7.0
020-040	3.2	3.0	1.1	.2							7.5	6.4	5.5
050-070	3.4	4.1	.9								8.3	5.6	6.0
(E) 080-100	3.9	3.7	.9								8.5	5.2	5.0
110-130	2.0	4.3	.9								7.1	6.2	6.0
140-160	1.2	1.2									2.5	4.4	4.0
(S) 170-190	.2	.9									1.1	6.3	7.0
200-220	1.4	1.4	.2								3.0	5.4	5.0
230-250	.5	4.3	7.3	3.0	.2						15.3	11.2	12.0
(W) 260-280	2.0	3.6	3.7	1.4	.2						10.8	9.3	9.0
290-310	2.5	3.6	2.7	.4							9.1	7.4	7.0
320-340	2.8	1.2	.2								4.3	3.8	3.0
VARIABLE	5.2	2.7	.2								8.0	9.2	8.0
CALM	/	/	/	/	/	/	/	/	/	/	8.3	/	/
TOTALS	25.2	38.8	22.2	5.4	.4						100.0	6.9	7.0

TOTAL NUMBER OF OBSERVATIONS 563

OPERATING LOCATION "A"
USAFTAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106530		STATION NAME: GIEBELSTADT AAF GERMANY										PERIOD OF RECORD: OCT 80 - SEP 89			
		LST TO UTC: - 1										MONTH: APR HOURS: 15-17			
		WIND SPEED IN KNOTS													
DIRECTION (DEGREES)		1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65	TOTAL %	MEAN WIND	MEDIAN WIND
(N) 350-010		2.6	6.5	2.2	.2								11.5	7.2	7.0
020-040		1.7	2.0	2.4									6.1	7.1	6.0
050-070		3.9	4.4	.6									8.9	5.1	5.0
(E) 080-100		3.7	3.5	.7	.2								8.1	5.0	5.0
110-130		2.4	3.3	.4	.2								6.3	5.9	6.0
140-160		.6	1.3	.2									2.0	6.1	6.0
(S) 170-190		1.1	.7										1.9	4.2	4.0
200-220		2.0	1.7	.6									4.3	5.0	5.0
230-250		1.1	3.1	4.8	2.2	.2							11.5	10.5	10.5
(W) 260-280		1.3	2.8	4.8	1.5								10.4	9.9	10.0
290-310		3.1	1.9	3.1	.4								8.5	7.5	7.0
320-340		3.3	1.9	1.5									6.7	5.9	4.5
VARIABLE		3.1	2.2		.2								5.6	9.7	9.0
CALM		//////////											8.3	//////////	
TOTALS		26.8	36.2	23.5	4.7	.4							100.0	6.7	7.0

TOTAL NUMBER OF OBSERVATIONS 540

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106530 STATION NAME: GIEBELSTADT AAF GERMANY PERIOD OF RECORD: OCT 80 - SEP 89
LST TO UTC: - 1 MONTH: APR HOURS: 18-20

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	3.3	7.0	1.8	.7								12.7	6.7	6.0
020-040	3.3	4.6	1.1									9.0	6.2	6.0
050-070	3.5	3.3	.4	.2								7.5	5.0	5.0
(E) 080-100	2.9	1.8	.7									5.3	4.7	4.0
110-130	3.7	2.4										6.1	4.0	4.0
140-160	2.9	.9										3.7	3.2	3.0
(S) 170-190	.4											.4	2.0	2.0
200-220	2.9	1.5	.4									4.8	4.5	4.0
230-250	3.1	4.8	2.4	.2								10.5	7.0	6.0
(W) 260-280	2.9	4.2	1.8	.7	.2							9.6	7.3	6.0
290-310	2.6	3.9	1.8	.4								8.8	6.9	6.5
320-340	3.7	.9	.4									5.0	4.0	3.0
VARIABLE			.4									.4	10.5	10.5
CALM	/	/	/	/	/	/	/	/	/	/	/	16.0	/	/
TOTALS	35.2	35.3	11.2	2.2	.2							100.0	4.9	5.0

TOTAL NUMBER OF OBSERVATIONS 456

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106530 STATION NAME: GIEBELSTADT AAF GERMANY PERIOD OF RECORD: OCT 80 - SEP 89
LST TO UTC: - 1 MONTH: APR HOURS: 21-23

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	3.1	3.1	1.5									7.7	6.8	6.0
020-040	2.6	5.1	1.0	.5								9.2	6.7	6.0
050-070	1.5	2.6		.5								4.6	5.7	5.0
(E) 080-100	4.1	1.5	.5									6.2	3.9	4.0
110-130	1.5	.5										2.1	3.0	2.5
140-160	4.6	1.0										5.6	3.3	3.0
(S) 170-190	1.5	.5										2.1	3.8	4.0
200-220	2.1	1.0	.5									3.6	5.1	4.0
230-250	3.1	4.6	1.5									9.2	5.8	6.0
(W) 260-280	10.3	4.6	.5	.5								15.9	4.9	4.0
290-310	1.5	1.5	1.5									4.6	6.3	6.0
320-340	4.1	1.5										5.6	3.8	3.0
VARIABLE														
CALM	/	/	/	/	/	/	/	/	/	/	/	23.6	/	/
TOTALS	40.0	27.5	7.0	1.5								100.0	4.0	4.0

TOTAL NUMBER OF OBSERVATIONS 195

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

**PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS**

STATION NUMBER: 106530

STATION NAME: GIEBELSTADT AAF GERMANY
LST TO UTC: - 1

PERIOD OF RECORD: OCT 80 - SEP 89
MONTH: APR HOURS: ALL

		WIND SPEED IN KNOTS													
DIRECTION (DEGREES)		1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65	TOTAL	MEAN	MEDIAN
(N) 350-010		3.1	4.1	1.5	.2								8.9	6.4	6.0
020-040		3.5	3.9	1.3	.1								8.8	6.0	5.0
050-070		4.6	3.6	.5	.1								8.7	4.8	4.0
(E) 080-100		3.6	3.0	.8	.0								7.4	5.0	5.0
110-130		2.1	2.3	.4	.0								4.9	5.5	5.0
140-160		1.6	.9	.0									2.5	4.0	4.0
(S) 170-190		1.0	.6										1.5	3.9	3.5
200-220		2.0	1.8	.4									4.2	5.2	5.0
230-250		2.7	4.5	5.0	1.6	.1							13.9	9.1	9.0
(W) 260-280		3.5	4.1	3.0	1.0	.1							11.6	7.8	7.0
290-310		2.1	2.6	1.8	.2								6.8	7.1	7.0
320-340		2.7	1.3	.5									4.5	4.7	4.0
VARIABLE		2.0	1.3	.0	.0								3.4	9.4	9.0
CALM		/	/	/	/	/	/	/	/	/	/	/	12.9	/	/
TOTALS		32.5	34.7	16.5	3.2	.2							100.0	5.7	6.0

TOTAL NUMBER OF OBSERVATIONS 2891

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106530 STATION NAME: GIEBELSTADT AAF GERMANY PERIOD OF RECORD: OCT 80 - SEP 89
LST TO UTC: - 1 MONTH: APR HOURS: ALL

CATEGORY A: CEILING GE 200 BUT LESS THAN 1500 FEET WITH VISIBILITY GE 1/2 MILE (0800 METERS).
AND/OR
VISIBILITY GE 1/2 MILE (0800 METERS) BUT LESS THAN 3 MILES (4800 METERS) WITH CEILING GE 200 FEET.

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL	MEAN	MEDIAN	
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
%	WIND	WIND												
(N) 350-010	5.7	4.7	3.1	.3								13.8	6.3	5.5
020-040	4.4	5.7	1.6	.3								11.9	6.0	6.0
050-070	4.1	2.2	.6	.6								7.5	5.5	4.0
(E) 080-100	.9	.6	1.3									2.8	7.1	8.0
110-130	.6											.6	2.0	2.0
140-160	.9											.9	3.7	4.0
(S) 170-190	.9											.9	2.3	2.0
200-220	.9	.3										1.3	3.5	3.5
230-250	2.2	7.2	4.7	1.9								16.0	9.0	9.0
(W) 260-280	7.5	7.5	.3									15.4	5.1	5.0
290-310	6.3	2.5	.9									9.7	4.5	4.0
320-340	4.1	1.6	.3									6.0	4.2	3.0
VARIABLE														
CALM	/	/	/	/	/	/	/	/	/	/	/	12.9	/	/
TOTALS	38.5	32.3	12.8	3.1								100.0	5.2	5.0

TOTAL NUMBER OF OBSERVATIONS 318

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106530 STATION NAME: GIEBELSTADT AAF GERMANY PERIOD OF RECORD: OCT 80 - SEP 89
LST TO UTC: - 1 MONTH: MAY HOURS: 06-08

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND	MEDIAN WIND	
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	3.7	2.7	.4									6.8	4.2	4.0
020-040	5.3	2.9	.7									8.9	4.4	4.0
050-070	5.3	3.6	.2									9.1	4.6	4.0
(E) 080-100	2.3	1.1	.5									3.9	4.6	3.5
110-130	.2	.4										.5	4.3	5.0
140-160	1.6	.4										2.0	3.5	3.0
(S) 170-190	3.2	1.1										4.3	3.3	3.0
200-220	2.9	4.6	1.1									8.6	5.6	5.0
230-250	6.4	10.0	2.1	.4								18.9	6.2	6.0
(W) 260-280	4.1	4.1	2.1									10.3	6.3	6.0
290-310	2.0	2.1										4.1	4.6	5.0
320-340	1.2	1.6										2.9	5.4	6.0
VARIABLE			.4									.4	7.5	7.5
CALM	/	/	/	/	/	/	/	/	/	/	/	19.4	/	/
TOTALS	38.2	35.0	7.1	.4								100.0	4.2	5.0

TOTAL NUMBER OF OBSERVATIONS 561

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106530 STATION NAME: GIEBELSTADT AAF GERMANY PERIOD OF RECORD: OCT 80 - SEP 89
LST TO UTC: - 1 MONTH: MAY HOURS: 09-11

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND	MEDIAN WIND	
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	2.3	2.6	.3									5.2	5.3	5.0
020-040	3.8	3.8										7.7	4.8	4.5
050-070	4.0	4.0	1.0									9.1	5.2	5.0
(E) 080-100	3.5	4.7	2.1									10.3	6.3	6.0
110-130	1.0	1.0	.5									2.6	6.2	6.0
140-160	1.2	1.0	.2									2.4	5.2	5.0
(S) 170-190	2.6	.7										3.3	3.5	3.0
200-220	2.1	2.6	1.4									6.1	6.0	6.0
230-250	2.4	8.7	5.7	1.0	.3							18.3	8.7	8.0
(W) 260-280	3.0	3.7	3.1	1.0								10.8	8.0	8.0
290-310	3.0	4.4	.9									8.2	5.9	6.0
320-340	1.7	1.4	.7									3.8	6.0	6.0
VARIABLE		2.6	1.2									3.8	8.5	8.0
CALM	/	/	/	/	/	/	/	/	/	/	/	8.4	/	/
TOTALS	30.6	41.2	17.1	2.0	.3							100.0	6.0	6.0

TOTAL NUMBER OF OBSERVATIONS 574

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106530 STATION NAME: GIEBELSTADT AAF GERMANY PERIOD OF RECORD: OCT 80 - SEP 89
LST TO UTC: - 1 MONTH: MAY HOURS: 12-14

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64			
(N) 350-010	4.1	3.2	.4								7.6	4.7	4.0
020-040	2.7	4.1	.5								7.3	5.4	5.0
050-070	3.2	2.7	.5								6.4	4.9	4.5
(E) 080-100	2.3	4.3	2.1								8.7	6.4	6.0
110-130	2.0	2.0									3.9	4.8	4.5
140-160	1.2	1.1									2.3	4.7	4.0
(S) 170-190	1.2	1.2	.2								2.7	5.0	5.0
200-220	1.4	2.7	1.1								5.2	6.4	6.0
230-250	3.4	8.2	5.0	2.8	.4						19.7	8.9	8.0
(W) 260-280	2.7	6.0	3.0	.7							12.4	7.4	6.0
290-310	1.2	2.8	.9	.2							5.2	7.1	7.0
320-340	2.5	3.6	.9								6.9	5.5	5.0
VARIABLE	3.0	2.5	.4								5.9	9.8	9.0
CALM	/	/	/	/	/	/	/	/	/	/	5.9	/	/
TOTALS	27.9	44.9	17.1	4.1	.4						100.0	6.4	6.0

TOTAL NUMBER OF OBSERVATIONS 563

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106530		STATION NAME: GIEBELSTADT AAF GERMANY										PERIOD OF RECORD: OCT 80 - SEP 89			
		LST TO UTC: - 1										MONTH: MAY HOURS: 15-17			
		WIND SPEED IN KNOTS													
DIRECTION (DEGREES)		1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65	TOTAL %	MEAN WIND	MEDIAN WIND
(N) 350-010		2.3	5.8	.2									8.3	5.5	5.0
020-040		3.7	3.8	.4									7.9	4.7	5.0
050-070		2.3	1.5	.6									4.4	4.7	4.0
(E) 080-100		2.3	4.8	1.3	.2								8.7	6.6	7.0
110-130		3.3	2.1	.8									6.2	5.2	4.0
140-160		1.3	.4										1.7	3.9	3.0
(S) 170-190		1.3	.6	.2									2.1	4.5	4.0
200-220		1.5	3.8	1.2									6.5	6.7	6.5
230-250		2.9	8.7	5.0	1.3								17.9	8.5	8.0
(W) 260-280		2.9	5.8	2.3	1.0								11.9	7.6	7.0
290-310		1.3	3.5	.8	.2								5.8	7.1	7.0
320-340		2.1	3.1	1.5									6.7	6.6	7.0
VARIABLE		3.1	1.5	.4	.2								5.2	9.9	8.0
CALM		/	/	/	/	/	/	/	/	/	/	/	6.7	/	/
TOTALS		27.2	47.0	15.8	3.1	.2							100.0	6.3	6.0

TOTAL NUMBER OF OBSERVATIONS 520

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106530 STATION NAME: GIEBELSTADT AAF GERMANY PERIOD OF RECORD: OCT 80 - SEP 89
LST TO UTC: - 1 MONTH: MAY HOURS: 18-20

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND	MEDIAN WIND	
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	3.9	2.3	.7									6.9	5.0	4.0
020-040	4.3	2.3	.2									6.9	4.0	4.0
050-070	5.0	2.5										7.6	4.3	4.0
(E) 080-100	4.1	3.0	.5									7.6	4.8	4.0
110-130	2.1	.9										3.0	3.4	4.0
140-160	1.4	.2										1.6	3.3	3.0
(S) 170-190	.7	.5										1.1	4.2	4.0
200-220	4.1	3.7	.7	.2								8.7	5.3	5.0
230-250	5.9	7.6	2.3									15.8	6.1	60
(W) 260-280	4.8	5.7	2.3	.2								13.0	6.1	5.0
290-310	1.6	2.7	.9	.2	.2							5.7	7.2	6.0
320-340	3.0	3.2	.2									6.4	4.7	5.0
VARIABLE			.2	.2								.5	10.5	10.5
CALM	/	/	/	/	/	/	/	/	/	/	/	15.3	/	/
TOTALS	40.9	34.8	8.0	.6	.2							100.0	4.5	5.0

TOTAL NUMBER OF OBSERVATIONS 437

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106530 STATION NAME: GIEBELSTADT AAF GERMANY PERIOD OF RECORD: OCT 80 - SEP 89
LST TO UTC: + 1 MONTH: MAY HOURS: 21-23

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	3.5	3.5										7.0	4.8	4.5
020-040	4.5	3.0										7.5	4.0	4.0
050-070	5.5	3.5										9.0	4.0	4.0
(E) 080-100	3.5	2.5										6.0	4.3	4.0
110-130	2.0											2.0	2.8	2.5
140-160	3.5	.5										4.0	2.8	2.0
(S) 170-190	2.5	.5										3.0	3.5	3.5
200-220	5.0	2.0										7.0	3.3	3.0
230-250	6.0	9.5	1.5									17.0	6.1	6.0
(W) 260-280	6.0	3.0										9.0	4.2	4.0
290-310	4.0	1.0										5.0	3.8	3.5
320-340	5.0	.5										5.5	3.5	3.0
VARIABLE														
CALM	/	/	/	/	/	/	/	/	/	/	/	18.0	/	/
TOTALS	51.0	29.5	1.5									100.0	3.6	4.0

TOTAL NUMBER OF OBSERVATIONS 200

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106530 STATION NAME: GIEBELSTADT AAF GERMANY PERIOD OF RECORD: OCT 80 - SEP 89
LST TO UTC: - 1 MONTH: MAY HOURS: ALL

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL	MEAN	MEDIAN	
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	3.3	3.3	.4									6.9	4.9	5.0
020-040	4.0	3.4	.4									7.7	4.7	4.0
050-070	4.1	2.9	.5									7.5	4.7	4.0
(E) 080-100	2.9	3.5	1.3	.0								7.7	5.9	5.0
110-130	1.7	1.2	.2									3.1	4.9	4.0
140-160	1.5	.6	.0									2.2	4.1	4.0
(S) 170-190	1.9	.8	.1									2.8	3.9	4.0
200-220	2.5	3.4	1.0	.0								6.9	5.8	5.0
230-250	4.3	8.7	3.9	1.1	.1							18.1	7.7	7.0
(W) 260-280	3.6	4.9	2.4	.6								11.5	6.9	6.0
290-310	2.0	3.0	.6	.1	.0							5.7	6.2	6.0
320-340	2.3	2.4	.6									5.3	5.5	5.0
VARIABLE	1.8	1.1	.1	.0								3.0	9.5	9.0
CALM	/	/	/	/	/	/	/	/	/	/	/	11.5	/	/
TOTALS	34.1	39.9	12.5	1.9	.1							100.0	5.4	5.0

TOTAL NUMBER OF OBSERVATIONS 2855

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106530 STATION NAME: GIEBELSTADT AAF GERMANY PERIOD OF RECORD: OCT 80 - SEP 89
LST TO UTC: - 1 MONTH: MAY HOURS: ALL

CATEGORY A: CEILING GE 200 BUT LESS THAN 1500 FEET WITH VISIBILITY GE 1/2 MILE (0800 METERS).

AND/OR

VISIBILITY GE 1/2 MILE (0800 METERS) BUT LESS THAN 3 MILES (4800 METERS) WITH CEILING GE 200 FEET.

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL	MEAN	MEDIAN	
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	3.6	16.2	1.8									21.6	6.4	7.0
020-040	7.2	5.9										13.1	4.4	4.0
050-070	5.0	.5										5.4	2.9	3.0
(E) 080-100	.9	.5										1.4	3.0	2.0
110-130														
140-160														
(S) 170-190	1.8											1.8	2.0	1.5
200-220	1.4	1.4										2.7	4.5	5.0
230-250	3.2	9.9	1.4	.5								14.9	6.7	7.0
(W) 260-280	3.6	8.6	.9									13.1	5.9	6.0
290-310	3.6	3.2	.5		.5							7.7	6.3	5.0
320-340	2.3	.9										3.2	3.9	4.0
<hr/>														
VARIABLE														
CALM	/	/	/	/	/	/	/	/	/	/	/	15.3	/	/
TOTALS	32.6	47.1	4.6	.5	.5							100.0	4.7	5.0

TOTAL NUMBER OF OBSERVATIONS 222

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106530 STATION NAME: GIEBELSTADT AAF GERMANY PERIOD OF RECORD: OCT 80 - SEP 89
LST TO UTC: - 1 MONTH: JUN HOURS: 06-08

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	2.1	.7										2.8	4.1	4.0
020-040	4.3	3.3										7.6	4.4	4.0
050-070	3.1	1.9										5.0	3.9	4.0
(E) 080-100	2.8	.9										3.6	3.4	4.0
110-130	1.2	.7										1.9	3.5	3.0
140-160	.3											.3	2.5	2.5
(S) 170-190	1.2	.5										1.7	3.5	3.5
200-220	4.3	3.5	.5	.2								8.5	5.0	4.0
230-250	10.9	11.1	4.3	1.2	.2							27.8	6.3	6.0
(W) 260-280	4.0	6.1	.9									10.9	5.7	6.0
290-310	2.8	3.3	.2									6.2	5.1	5.0
320-340	1.0	1.6	.2	.2								3.0	5.1	5.0
VARIABLE		.2										.2	8.0	8.0
CALM	/	/	/	/	/	/	/	/	/	/	/	20.3	/	/
TOTALS	38.0	33.8	6.1	1.6	.2							100.0	4.2	5.0

TOTAL NUMBER OF OBSERVATIONS 576

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106530 STATION NAME: GIEBELSTADT AAF GERMANY PERIOD OF RECORD: OCT 80 - SEP 89
LST TO UTC: - 1 MONTH: JUN HOURS: 09-11

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	1.9	1.7										3.6	4.4	4.0
020-040	.5	3.2										3.8	5.9	6.0
050-070	3.1	2.6	.2									5.8	4.5	4.0
(E) 080-100	4.6	2.2										6.8	3.8	3.0
110-130	1.7	2.2										3.9	5.1	5.0
140-160	.5	.3										.9	3.6	3.0
(S) 170-190	2.4	.3	.3									3.1	3.5	2.0
200-220	2.9	3.4	.5	.2								7.0	5.5	5.0
230-250	2.2	12.5	8.0	1.9	.2							24.7	8.7	8.0
(W) 260-280	4.1	8.0	3.1									15.2	6.8	7.0
290-310	1.9	4.8	1.2									7.8	6.5	6.5
320-340	1.9	2.7	.3									4.9	5.8	6.0
VARIABLE		2.9	.7									3.6	8.5	8.0
CALM	/	/	/	/	/	/	/	/	/	/	/	8.9	/	/
TOTALS	27.7	46.8	14.3	2.1	.2							100.0	5.9	6.0

TOTAL NUMBER OF OBSERVATIONS 586

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106530 STATION NAME: GIEBELSTADT AAF GERMANY PERIOD OF RECORD: OCT 80 - SEP 89
LST TO UTC: - 1 MONTH: JUN HOURS: 12-14

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	2.4	.7	.5									3.6	4.7	4.0
020-040	2.1	2.3	.3									4.7	5.3	5.0
050-070	1.0	2.8	1.0									4.9	6.6	6.0
(E) 080-100	2.3	2.1	.5									4.9	5.5	5.0
110-130	1.4	1.6	.2									3.1	5.1	5.0
140-160	1.2	.3										1.6	3.7	3.0
(S) 170-190	3.8	.2	2									4.2	3.4	3.0
200-220	2.8	3.3	1.0									7.1	5.6	6.0
230-250	2.6	9.5	8.8	1.7	.5							23.2	9.1	9.0
(W) 260-280	3.6	6.9	4.2	.5								15.3	7.7	8.0
290-310	3.8	5.4	2.8	.2								12.1	6.8	7.0
320-340	3.1	2.1										5.2	4.7	4.0
VARIABLE		2.9	1.2									4.2	8.8	8.0
CALM	/	/	/	/	/	/	/	/	/	/	/	6.1	/	/
TOTALS	30.1	40.1	20.7	2.4	.5							100.0	6.5	7.0

TOTAL NUMBER OF OBSERVATIONS 577

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106530 STATION NAME: GIEBELSTADT AAF GERMANY PERIOD OF RECORD: OCT 80 - SEP 89
LST TO UTC: - 1 MONTH: JUN HOURS: 15-17

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	1.8	3.2	.2									5.2	5.1	5.0
020-040	2.9	3.1	.5									6.5	5.3	5.0
050-070	1.8	3.1	.5									5.4	5.6	5.0
(E) 080-100	1.8	1.8	.2									3.8	5.1	5.0
110-130	1.8	.9	.4									3.1	4.7	4.0
140-160	.9	.7										1.6	4.9	4.0
(S) 170-190	1.8		.2									2.0	3.9	3.0
200-220	1.3	1.8	1.8	.2								5.0	7.8	6.0
230-250	2.3	9.7	7.4	1.1	.7							21.2	8.9	8.0
(W) 260-280	3.4	7.5	3.8	.2	.2							15.1	7.5	8.0
290-310	3.2	5.7	2.0	.5								11.5	6.8	6.5
320-340	3.4	4.3	.2	.2								8.1	5.4	6.0
VARIABLE	1.8	1.1										2.9	9.1	9.0
CALM	/	/	/	/	/	/	/	/	/	/	/	8.8	/	/
TOTALS	26.4	43.6	18.1	2.4	.9							100.0	6.3	6.0

TOTAL NUMBER OF OBSERVATIONS 557

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106530 STATION NAME: GIEBELSTADT AAF GERMANY PERIOD OF RECORD: OCT 80 - SEP 89
LST TO UTC: - 1 MONTH: JUN HOURS: 18-20

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	5.1	1.4	.4									6.9	3.7	3.0
020-040	4.5	2.7	.8									8.0	5.1	4.0
050-070	2.5	2.0										4.5	4.5	4.0
(E) 080-100	2.2	1.0										3.1	3.8	3.5
110-130	1.2	.8										2.0	4.3	4.0
140-160	.8	.4										1.2	4.0	3.5
(S) 170-190	1.0											1.0	2.4	2.0
200-220	4.1	1.2										5.3	4.0	4.0
230-250	4.3	7.3	4.3	1.2	.2							17.3	7.5	7.0
(W) 260-280	5.3	5.3	2.5	.2								13.3	6.2	6.0
290-310	5.9	3.7	1.2									10.8	5.1	4.0
320-340	4.7	3.3	.8	.2								9.0	5.1	4.0
VARIABLE	1.0	.4										1.4	8.6	8.0
CALM	/	/	/	/	/	/	/	/	/	/	/	16.3	/	/
TOTALS	41.6	30.1	10.4	1.6	.2							100.0	4.6	5.0

TOTAL NUMBER OF OBSERVATIONS 510

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106530		STATION NAME: GIEBELSTADT AAF GERMANY										PERIOD OF RECORD: OCT 80 - SEP 89			
		LST TO UTC: - 1										MONTH: JUN HOURS: 21-23			
		WIND SPEED IN KNOTS													
DIRECTION (DEGREES)		1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65	TOTAL %	MEAN WIND	MEDIAN WIND
(N) 350-010		5.1	1.7	.4									7.2	4.2	3.0
020-040		4.7	3.4										8.1	4.5	4.0
050-070		3.0	1.3										4.3	3.9	4.0
(E) 080-100		1.7	.9										2.6	3.8	3.5
110-130		1.3											1.3	3.3	4.0
140-160		2.6	.4										3.0	2.7	2.0
(S) 170-190		2.6											2.6	2.5	2.0
200-220		3.4	2.6	1.3									7.2	5.5	5.0
230-250		7.2	6.4	2.6	.4								16.6	6.2	5.0
(W) 260-280		7.7	2.6										10.2	3.7	3.0
290-310		4.3	3.0	.4									7.7	4.4	4.0
320-340		3.4	.4										3.8	2.9	2.0
VARIABLE															
CALM		/	/	/	/	/	/	/	/	/	/	/	25.5	/	/
TOTALS		47.0	22.7	4.7	.4								100.0	3.4	4.0

TOTAL NUMBER OF OBSERVATIONS 235

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106530 STATION NAME: GIEBELSTADT AAF GERMANY PERIOD OF RECORD: OCT 80 - SEP 89
LST TO UTC: - 1 MONTH: JUN HOURS: ALL

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL	MEAN	MEDIAN
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	2.8	1.5	.2									4.6	4.4	4.0
020-040	3.0	3.0	.3									6.2	5.0	5.0
050-070	2.4	2.4	.3									5.1	4.9	5.0
(E) 080-100	2.7	1.5	.1									4.3	4.3	4.0
110-130	1.4	1.2	.1									2.7	4.7	4.0
140-160	.9	.4										1.2	3.8	3.0
(S) 170-190	2.1	.2	.1	.0								2.4	3.4	3.0
200-220	3.1	2.7	.8	.1								6.7	5.5	5.0
230-250	4.7	9.8	6.3	1.3	.3							22.5	8.0	8.0
(W) 260-280	4.3	6.5	2.7	.2	.0							13.7	6.7	7.0
290-310	3.5	4.5	1.4	.1								9.5	6.1	6.0
320-340	2.8	2.6	.3	.1								5.8	5.1	5.0
VARIABLE		1.6	.6									2.3	8.7	8.0
CALM	/	/	/	/	/	/	/	/	/	/	/	13.0	/	/
TOTALS	33.7	37.9	13.2	1.8	.3							100.0	5.3	6.0

TOTAL NUMBER OF OBSERVATIONS 3041

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106530 STATION NAME: GIEBELSTADT AAF GERMANY PERIOD OF RECORD: OCT 80 - SEP 89
LST TO UTC: - 1 MONTH: JUN HOURS: ALL

CATEGORY A: CEILING GE 200 BUT LESS THAN 1500 FEET WITH VISIBILITY GE 1/2 MILE (0800 METERS).

AND/OR

VISIBILITY GE 1/2 MILE (0800 METERS) BUT LESS THAN 3 MILES (4800 METERS) WITH CEILING GE 200 FEET.

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL	MEAN	MEDIAN	
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	4.7	1.3										6.0	3.6	4.0
020-040	1.3	4.7										6.0	5.7	6.0
050-070	2.0	2.0										4.0	4.0	4.5
(E) 080-100	1.3	1.3	.7									3.4	5.6	7.0
110-130	2.0											2.0	2.7	3.0
140-160	.7											.7	3.0	3.0
(S) 170-190	2.7	.7										3.4	3.0	2.0
200-220	2.0	2.7	.7									5.4	6.0	6.0
230-250	8.7	12.8	9.4									30.9	6.9	6.5
(W) 260-280	5.4	6.0	1.3									12.8	5.3	6.0
290-310	4.0	2.7										6.7	4.4	4.0
320-340	5.4	2.0										7.4	3.4	3.0
<hr/>														
VARIABLE														
CALM	//////////										11.4	//////////		
TOTALS	40.2	36.2	12.1								100.0	4.8	5.0	

TOTAL NUMBER OF OBSERVATIONS 149

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106530 STATION NAME: GIEBELSTADT AAF GERMANY PERIOD OF RECORD: OCT 80 - SEP 89
LST TO UTC: - 1 MONTH: JUL HOURS: 06-08

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND	MEDIAN WIND	
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	1.6	1.8	.2									3.5	5.0	5.0
020-040	5.7	1.9										7.6	3.8	4.0
050-070	3.9	1.2										5.1	3.4	3.0
(E) 080-100	2.8	.7	.2									3.7	3.5	3.0
110-130	1.2	.7										1.9	3.8	2.0
140-160	1.2											1.2	2.0	2.0
(S) 170-190	1.4											1.4	2.6	2.5
200-220	3.0	1.1										4.1	3.3	3.0
230-250	5.8	9.2	2.5									17.5	6.2	6.0
(W) 260-280	6.5	4.6	1.2									12.4	5.0	4.0
290-310	2.3	1.8	.2									4.2	4.7	4.0
320-340	4.4	.7	.2									5.3	3.8	4.0
VARIABLE														
CALM	/	/	/	/	/	/	/	/	/	/	/	31.9	/	/
TOTALS	39.8	23.7	4.5									100.0	3.1	4.0

TOTAL NUMBER OF OBSERVATIONS 565

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106530 STATION NAME: GIEBELSTADT AAF GERMANY PERIOD OF RECORD: OCT 80 - SEP 89
LST TO UTC: - 1 MONTH: JUL HOURS: 09-11

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	2.5	1.4										3.9	4.3	4.0
020-040	2.5	1.6										4.1	4.4	4.0
050-070	5.5	3.0										8.5	4.0	4.0
(E) 080-100	6.2	2.3										8.5	3.9	4.0
110-130	1.6	1.9	.2									3.7	4.9	5.0
140-160	1.2	.9										2.1	4.6	4.0
(S) 170-190	1.9	1.1										3.0	3.8	3.0
200-220	2.6	3.7	.7									7.1	5.9	6.0
230-250	3.7	7.8	4.4	.9								16.8	7.5	7.0
(W) 260-280	3.9	7.4	1.9									13.2	6.3	6.0
290-310	1.8	4.1	1.9	.2								7.9	7.3	8.0
320-340	3.5	3.9	.4									7.8	5.1	5.0
VARIABLE		.5	.4									.9	8.6	8.0
CALM	/	/	/	/	/	/	/	/	/	/	/	12.7	/	/
TOTALS	36.9	39.6	9.9	1.1								100.0	5.0	5.0

TOTAL NUMBER OF OBSERVATIONS 567

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106530 STATION NAME: GIEBELSTADT AAF GERMANY PERIOD OF RECORD: OCT 80 - SEP 89
LST TO UTC: - 1 MONTH: JUL HOURS: 12-14

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND	MEDIAN WIND	
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	1.6	3.0	.3	.								4.9	5.6	6.0
020-040	3.7	1.7										5.4	3.9	4.0
050-070	2.3	1.2	.2									3.7	4.8	4.0
(E) 080-100	3.7	3.5										7.2	4.6	4.0
110-130	1.4	2.4	.2									4.0	5.3	5.0
140-160	2.1	1.2	.2									3.5	4.5	4.0
(S) 170-190	3.5	.5	.2									4.2	3.9	3.5
200-220	3.0	3.7	.7									7.3	5.7	6.0
230-250	2.8	7.0	5.1	1.6								16.4	8.4	8.0
(W) 260-280	3.0	5.6	3.3	.3								12.2	7.3	7.0
290-310	1.4	6.1	4.5	.5								12.6	8.5	8.0
320-340	3.7	6.6	.5									10.8	5.4	5.5
VARIABLE		.9	.3									1.2	8.1	7.0
CALM	/	/	/	/	/	/	/	/	/	/	/	6.6	/	/
TOTALS	32.2	43.4	15.5	2.4								100.0	6.0	6.0

TOTAL NUMBER OF OBSERVATIONS 573

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND	MEDIAN WIND	
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	1.8	3.8										5.6	5.3	5.0
020-040	2.7	1.8										4.5	4.0	4.0
050-070	2.2	.9										3.1	3.5	4.0
(E) 080-100	3.3	2.2	.2									5.6	5.0	4.0
110-130	3.1	2.5	.2									5.8	4.6	4.0
140-160	1.8	.4	.2									2.4	4.2	3.0
(S) 170-190	2.7	.7										3.4	3.1	3.0
200-220	2.5	3.6	1.1									7.2	6.0	6.0
230-250	2.4	6.5	4.0	1.4								14.3	8.5	9.0
(W) 260-280	1.1	7.4	3.4	.2								12.1	7.8	8.0
290-310	2.4	9.2	5.4	.2								17.2	7.7	8.0
320-340	4.0	3.8	1.4									9.2	5.9	6.0
VARIABLE	2.0	.9	.2									3.1	9.2	8.0
CALM	/	/	/	/	/	/	/	/	/	/	/	6.5	/	/
TOTALS	30.0	44.8	16.8	2.0								100.0	6.1	6.0

TOTAL NUMBER OF OBSERVATIONS 553

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106530

STATION NAME: GIEBELSTADT AAF GERMANY
LST TO UTC: - 1

PERIOD OF RECORD: OCT 80 - SEP 89
MONTH: JUL HOURS: 18-20

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64			
(N) 350-010	3.7	2.7									6.4	4.4	4.0
020-040	3.3	1.0									4.3	3.4	3.0
050-070	4.5	.4									4.9	3.1	3.0
(E) 080-100	2.1	1.4									3.5	3.9	4.0
110-130	1.4	.2									1.6	3.1	3.0
140-160	1.2	.6	.2								2.1	3.9	3.5
(S) 170-190	1.9	.6									2.5	3.2	2.5
200-220	4.1	2.1									6.2	4.1	4.0
230-250	4.1	6.8	2.3	.2							13.4	6.4	6.0
(W) 260-280	4.1	6.4	1.9	.4							12.8	6.3	6.0
290-310	6.4	6.8	.6								13.8	5.3	6.0
320-340	5.8	6.2	.4								12.4	4.9	5.0
VARIABLE													
CALM	/	/	/	/	/	/	/	/	/	/	16.1	/	/
TOTALS	42.6	35.2	5.4	.6							100.0	4.2	4.0

TOTAL NUMBER OF OBSERVATIONS 485

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106530 STATION NAME: GIEBELSTADT AAF GERMANY PERIOD OF RECORD: OCT 80 - SEP 89
LST TO UTC: - 1 MONTH: JUL HOURS: 21-23

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	5.4	1.2										6.6	3.6	4.0
020-040	3.9	1.9										5.8	3.7	4.0
050-070	5.8											5.8	2.7	3.0
(E) 080-100	.8											.8	3.0	3.0
110-130	1.2											1.2	2.7	3.0
140-160	2.7	.8										3.5	3.4	3.0
(S) 170-190	2.7	.4										3.1	2.5	2.0
200-220	4.3	4.3										8.6	4.5	4.5
230-250	5.4	4.3										9.7	4.2	4.0
(W) 260-280	8.6	6.6	.4									15.6	4.4	4.0
290-310	3.9	1.9	.4									6.2	4.3	4.0
320-340	4.3	.8	.4									5.4	4.0	4.0
VARIABLE	.4	.4										.8	9.0	9.0
CALM	/	/	/	/	/	/	/	/	/	/	/	26.8	/	/
TOTALS	49.0	22.6	1.6									100.0	2.9	4.0

TOTAL NUMBER OF OBSERVATIONS 257

OPERATING LOCATION "A"
USAFTAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106530 STATION NAME: GIEBELSTADT AAF GERMANY PERIOD OF RECORD: OCT 80 - SEP 89
LST TO UTC: - 1 MONTH: JUL HOURS: ALL

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL	MEAN	MEDIAN
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	2.5	2.4	.1									5.0	4.8	5.0
020-040	3.6	1.7										5.3	3.9	4.0
050-070	3.8	1.3	.0									5.1	3.7	4.0
(E) 080-100	3.4	1.9	.1									5.3	4.2	4.0
110-130	1.7	1.5	.1									3.3	4.5	4.0
140-160	1.6	.6	.1									2.4	4.0	3.0
(S) 170-190	2.3	.6	.0									2.9	3.4	3.0
200-220	3.1	3.0	.5									6.6	5.1	5.0
230-250	3.9	7.2	3.4	.8								15.2	7.2	6.0
(W) 260-280	4.1	6.3	2.2	.2								12.8	6.3	6.0
290-310	2.8	5.2	2.4	.2								10.6	6.9	7.0
320-340	4.2	3.9	.6									8.7	5.1	5.0
VARIABLE		.7	.3	.0								1.0	8.9	8.0
CALM	/	/	/	/	/	/	/	/	/	/	/	15.8	/	/
TOTALS	37.0	36.3	9.8	1.2								100.0	4.7	5.0

TOTAL NUMBER OF OBSERVATIONS 3000

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106530 STATION NAME: GIEBELSTADT AAF GERMANY PERIOD OF RECORD: OCT 80 - SEP 89
LST TO UTC: - 1 MONTH: JUL HOURS: ALL

CATEGORY A: CEILING GE 200 BUT LESS THAN 1500 FEET WITH VISIBILITY GE 1/2 MILE (0800 METERS).
AND/OR
VISIBILITY GE 1/2 MILE (0800 METERS) BUT LESS THAN 3 MILES (4800 METERS) WITH CEILING GE 200 FEET.

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL	MEAN	MEDIAN	
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	.7	1.4										2.1	5.3	6.0
020-040	6.2	2.1										8.3	3.8	3.5
050-070	1.4	2.8										4.1	4.7	5.0
(E) 080-100	2.8											2.8	3.0	3.0
110-130	1.4											1.4	2.0	2.0
140-160	1.4	.7										2.1	3.3	2.0
(S) 170-190	.7											.7	4.0	4.0
200-220	2.1											2.1	2.0	2.0
230-250	4.1	10.3	.7	3.4								18.6	8.3	7.0
(W) 260-280	8.3	12.4	.7									21.4	5.2	5.0
290-310	2.8	2.1										4.8	4.4	4.0
320-340	5.5	1.4										6.9	3.9	4.0
VARIABLE														
CALM	/	/	/	/	/	/	/	/	/	/	/	24.8	/	/
TOTALS	37.4	33.2	1.4	3.4								100.0	4.0	5.0

TOTAL NUMBER OF OBSERVATIONS 145

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106530

STATION NAME: GIEBELSTADT AAF GERMANY
LST TO UTC: - 1

PERIOD OF RECORD: OCT 80 - SEP 89
MONTH: AUG HOURS: 06-08

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	3.1	1.2										4.3	3.7	4.0
020-040	4.1	2.0	.2									6.3	4.0	4.0
050-070	2.7	.3										3.1	3.4	3.5
(E) 080-100	2.2	.3										2.6	2.5	2.0
110-130	1.0	.2										1.2	2.9	2.0
140-160	1.2	.2										1.4	2.9	2.5
(S) 170-190	2.0	.2	.2									2.4	3.3	2.5
200-220	1.5	1.0	.9									3.4	5.8	5.0
230-250	8.3	11.6	3.1	.2								23.1	6.1	6.0
(W) 260-280	7.0	6.8	.5									14.3	5.0	5.0
290-310	1.5	2.2	.3									4.1	5.2	5.5
320-340	.5	.9										1.4	5.4	6.0
VARIABLE			.2									.2	7.0	7.0
CALM	/	/	/	/	/	/	/	/	/	/	/	32.5	/	/
TOTALS	35.1	27.1	5.2	.2								100.0	3.3	4.0

TOTAL NUMBER OF OBSERVATIONS 588

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106530 STATION NAME: GIEBELSTADT AAF GERMANY PERIOD OF RECORD: OCT 80 - SEP 89
LST TO UTC: - 1 MONTH: AUG HOURS: 09-11

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	1.7	1.2										2.9	4.1	4.0
020-040	2.4	3.1	.2									5.6	5.0	5.0
050-070	6.3	1.9										8.1	3.6	4.0
(E) 080-100	3.4	1.5										4.9	3.8	4.0
110-130	2.5	1.2										3.7	3.3	3.0
140-160	1.5	.7										2.2	3.6	3.0
(S) 170-190	1.2	.7										1.9	3.9	4.0
200-220	.8	1.9	1.2									3.9	7.6	8.0
230-250	4.1	10.4	5.1	.8	.2							20.5	7.4	8.0
(W) 260-280	2.9	8.8	3.9	.3								16.0	7.3	7.0
290-310	2.4	3.6	2.4	.2								8.5	6.8	6.5
320-340	1.5	1.7	.3									3.6	5.6	6.0
VARIABLE		.8	.3	.2								1.4	9.6	9.0
CALM	/	/	/	/	/	/	/	/	/	/	/	16.8	/	/
TOTALS	30.7	37.5	13.4	1.5	.2							100.0	5.1	6.0

TOTAL NUMBER OF OBSERVATIONS 589

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106530 STATION NAME: GIEBELSTADT AAF GERMANY PERIOD OF RECORD: OCT 80 - SEP 89
LST TO UTC: - 1 MONTH: AUG HOURS: 12-14

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	1.9	1.5										3.4	4.5	4.0
020-040	1.7	2.2	.5									4.4	5.7	6.0
050-070	2.4	2.0	.3									4.8	5.0	4.5
(E) 080-100	3.4	4.3	.2									7.8	4.9	5.0
110-130	2.4	1.7										4.1	4.2	4.0
140-160	1.2	.9										2.0	3.9	4.0
(S) 170-190	1.2	1.4	.2									2.7	5.2	5.0
200-220	1.4	2.9	.7									4.9	6.0	6.0
230-250	2.9	9.4	6.6	1.5	.3	.2						21.0	8.8	8.0
(W) 260-280	3.6	8.5	5.8									17.9	7.6	8.0
290-310	2.0	4.4	3.2	.2								9.9	7.9	8.0
320-340	1.9	2.4	.2	.2								4.6	5.7	6.0
VARIABLE		2.4	1.0									3.4	9.1	9.0
CALM	/	/	/	/	/	/	/	/	/	/	/	9.0	/	/
TOTALS	26.0	44.0	18.7	1.9	.3	.2						100.0	6.3	6.0

TOTAL NUMBER OF OBSERVATIONS 587

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106530 STATION NAME: GIEBELSTADT AAF GERMANY PERIOD OF RECORD: OCT 80 - SEP 89
LST TO UTC: - 1 MONTH: AUG HOURS: 15-17

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	1.0	1.6	.5									3.1	5.9	6.0
020-040	2.8	1.9	.7									5.4	5.2	4.0
050-070	2.3	2.4	.5									5.2	5.3	5.0
(E) 080-100	2.8	2.6	.7									6.1	5.4	5.0
110-130	2.3	1.4										3.7	3.5	3.0
140-160	1.2	.9										2.1	3.8	3.5
(S) 170-190	1.9	1.4										3.3	4.1	4.0
200-220	1.9	1.6	.9									4.4	6.0	6.0
230-250	1.7	8.0	7.2	.7	.2							17.8	8.9	9.0
(W) 260-280	3.0	9.1	6.5	.9								19.4	8.2	8.0
290-310	2.4	6.6	2.8	.3								12.2	7.0	6.5
320-340	1.6	4.0	.3									5.9	6.1	6.0
VARIABLE		1.4	.7									2.1	9.0	8.0
CALM	/	/	/	/	/	/	/	/	/	/	/	9.2	/	/
TOTALS	24.9	42.9	20.8	1.9	.2							100.0	6.3	6.0

TOTAL NUMBER OF OBSERVATIONS 573

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106530 STATION NAME: GIEBELSTADT AAF GERMANY PERIOD OF RECORD: OCT 80 - SEP 89
LST TO UTC: - 1 MONTH: AUG HOURS: 18-20

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND	MEDIAN WIND	
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	1.3	.4										1.7	3.6	3.0
020-040	3.5	1.9	.8									6.2	5.3	4.0
050-070	4.4	1.2	.2									5.8	3.9	3.5
(E) 080-100	4.4	.6										5.0	2.8	2.0
110-130	1.5											1.5	2.9	3.0
140-160	.8	.2										1.0	2.6	2.0
(S) 170-190	2.9	.2										3.1	2.4	2.0
200-220	2.5	2.1	.2									4.8	4.4	4.0
230-250	6.0	9.2	2.9	.2								18.3	6.2	6.0
(W) 260-280	5.2	6.3	1.7	.2								13.5	6.0	6.0
290-310	2.1	4.4	1.2	.2								7.9	6.5	6.0
320-340	6.3	3.5										9.8	4.0	4.0
VARIABLE														
CALM	/	/	/	/	/	/	/	/	/	/	/	21.5	/	/
TOTALS	40.9	30.0	7.0	.6								100.0	3.9	4.0

TOTAL NUMBER OF OBSERVATIONS 520

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106530		STATION NAME: GIEBELSTADT AAF GERMANY										PERIOD OF RECORD: OCT 80 - SEP 89			
		LSI 10 UIC: 1										MONTH: AUG HOURS: 21-23			
		WIND SPEED IN KNOTS													
DIRECTION (DEGREES)		1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65	TOTAL %	MEAN WIND	MEDIAN WIND
(N) 350-010		1.6	.4										2.0	2.6	2.0
020-040		1.6	4.3	.8									6.7	6.8	8.0
050-070		2.7	.8										3.5	3.3	2.0
(E) 080-100		1.2	.8										2.0	3.4	2.0
110-130		2.0											2.0	3.0	3.0
140-160		2.4	.8										3.1	3.0	2.0
(S) 170-190		2.7											2.7	2.3	2.0
200-220		5.9	1.6	.4									7.8	3.7	3.0
230-250		6.7	3.1	.4									10.2	4.3	4.0
(W) 260-280		9.4	4.3	1.2									14.9	4.6	4.0
290-310		2.7	2.0										4.7	4.7	4.0
320-340		1.6	.8	.4									2.7	4.9	3.0
VARIABLE															
CALM		/	/	/	/	/	/	/	/	/	/	/	37.6	/	/
TOTALS		40.5	18.9	3.2									100.0	2.7	4.0

TOTAL NUMBER OF OBSERVATIONS 255

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106530

STATION NAME: GIEBELSTADT AAF GERMANY
LST TO UTC: - 1

PERIOD OF RECORD: OCT 80 - SEP 89
MONTH: AUG HOURS: ALL

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL	MEAN	MEDIAN	
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	1.8	1.1	.1									3.0	4.3	4.0
020-040	2.8	2.4	.5									5.7	5.1	5.0
050-070	3.5	1.5	.2									5.2	4.2	4.0
(E) 080-100	3.1	1.8	.2									5.0	4.2	4.0
110-130	2.0	.8										2.8	3.5	3.0
140-160	1.3	.6										1.9	3.4	3.0
(S) 170-190	1.9	.7	.1									2.7	3.7	3.0
200-220	2.0	1.9	.7									4.6	5.6	5.0
230-250	4.8	9.2	4.6	.6	.1	.0						19.4	7.4	7.0
(W) 260-280	4.7	7.6	3.5	.3								16.1	6.8	6.0
290-310	2.2	4.0	1.8	.2								8.2	6.8	7.0
320-340	2.2	2.3	.2	.0								4.8	5.1	5.0
VARIABLE		.9	.4	.0								1.3	9.1	9.0
CALM	/	/	/	/	/	/	/	/	/	/	/	19.4	/	/
TOTALS	32.3	34.8	12.3	1.1	.1							100.0	4.8	5.0

TOTAL NUMBER OF OBSERVATIONS 3112

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106530 STATION NAME: GIEBELSTADT AAF GERMANY PERIOD OF RECORD: OCT-80 - SEP 89
LST TO UTC: - 1 MONTH: AUG HOURS: ALL

CATEGORY A: CEILING GE 200 BUT LESS THAN 1500 FEET WITH VISIBILITY GE 1/2 MILE (0800 METERS).
AND/OR
VISIBILITY GE 1/2 MILE (0800 METERS) BUT LESS THAN 3 MILES (4800 METERS) WITH CEILING GE 200 FEET.

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND	MEDIAN WIND	
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	3.5	.9										4.3	3.0	2.0
020-040	4.8	2.2										7.0	4.3	4.0
050-070	2.6	1.3										3.9	4.2	4.0
(E) 080-100	1.7	1.7										3.5	3.8	3.5
110-130	.9											.9	1.0	1.0
140-160	1.7											1.7	2.3	2.0
(S) 170-190	1.7											1.7	2.5	2.0
200-220	1.3	.4	.4									2.2	5.6	4.0
230-250	8.3	8.3	.9									17.4	4.9	5.0
(W) 260-280	10.0	5.7	1.3									17.0	5.2	4.0
290-310	3.0	2.6	.4									6.1	4.9	4.5
320-340	.4	.4										.9	6.5	6.5
VARIABLE														
CALM	/	/	/	/	/	/	/	/	/	/	/	33.5	/	/
TOTALS	39.9	23.5	3.0									100.0	3.0	4.0

TOTAL NUMBER OF OBSERVATIONS 230

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106530 STATION NAME: GIEBELSTADT AAF GERMANY PERIOD OF RECORD: OCT 80 - SEP 89
LST TO UTC: - 1 MONTH: SEP HOURS: 06-08

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND	MEDIAN WIND	
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	3.8	2.2										6.0	4.1	3.0
020-040	4.4	2.2										6.6	4.0	3.0
050-070	4.0	1.0										5.0	3.3	3.0
(E) 080-100	.8	.2										1.0	2.6	2.0
110-130	.2	.4										.6	5.0	6.0
140-160	1.6	.6										2.2	3.7	4.0
(S) 170-190	2.0	1.8										3.8	3.9	4.0
200-220	2.8	3.4	1.2									7.4	6.1	6.0
230-250	6.8	7.2	3.6	.2								17.8	6.3	6.0
(W) 260-280	6.2	3.2	1.2	.6								11.2	5.4	4.0
290-310	1.4	2.2										3.6	5.1	5.0
320-340	.6	.8										1.4	4.7	5.0
VARIABLE														
CALM	/	/	/	/	/	/	/	/	/	/	/	33.3	/	/
TOTALS	34.6	25.2	6.0	.8								100.0	3.4	4.0

TOTAL NUMBER OF OBSERVATIONS 499

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106530 STATION NAME: GIEBELSTADT AAF GERMANY PERIOD OF RECORD: OCT 80 - SEP 89
LST TO UTC: - 1 MONTH: SEP HOURS: 09-11

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND	MEDIAN WIND	
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	2.8	1.4	.4									4.5	4.6	4.0
020-040	4.7	3.7	.4									8.9	4.7	4.0
050-070	5.5	2.8										8.3	4.2	4.0
(E) 080-100	3.4	2.6										5.9	4.3	4.0
110-130	2.4	.6										3.0	3.5	3.0
140-160	1.2	1.2										2.4	4.6	4.5
(S) 170-190	1.6	.4	.2									2.2	3.9	2.0
200-220	1.2	4.5	1.6	.6								7.9	7.5	7.5
230-250	4.7	8.9	5.7	2.6	.2							22.1	8.4	8.0
(W) 260-280	2.6	5.7	1.6	.8								10.7	7.0	6.0
290-310	2.4	2.4	1.8									6.5	6.5	6.0
320-340	1.2	1.2	.2									2.6	5.0	5.0
VARIABLE		1.8	.4									2.2	8.3	8.0
CALM	/	/	/	/	/	/	/	/	/	/	/	13.0	/	/
TOTALS	33.7	37.2	12.3	4.0	.2							100.0	5.4	6.0

TOTAL NUMBER OF OBSERVATIONS 507

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106530 STATION NAME: GIEBELSTADT AAF GERMANY PERIOD OF RECORD: OCT 80 - SEP 89
LST O UTC: - 1 MONTH: SEP HOURS: 12-14

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND	MEDIAN WIND	
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	1.2	1.6	.8									3.5	6.4	7.0
020-040	2.4	2.0	.8									5.1	5.6	5.0
050-070	4.3	4.3										8.7	4.9	4.5
(E) 080-100	3.7	2.4	.4	.2								6.7	4.9	4.0
110-130	2.2	1.6	.6									4.3	5.2	4.5
140-160	.4	1.0										1.4	5.3	5.0
(S) 170-190	1.8	.6										2.4	3.0	2.0
200-220	.4	4.7	3.3									8.5	8.6	9.0
230-250	3.0	8.1	8.3	2.6	.6							22.4	9.6	10.0
(W) 260-280	2.6	6.3	3.0	1.6	.2							13.6	8.2	7.0
290-310	1.0	3.7	1.8									6.5	7.7	8.0
320-340	3.0	3.1										6.1	4.5	5.0
VARIABLE		2.0	1.8		.2							3.9	9.9	9.5
CALM	/	/	/	/	/	/	/	/	/	/	/	6.9	/	/
TOTALS	26.0	41.4	20.8	4.4	1.0							100.0	6.8	7.0

TOTAL NUMBER OF OBSERVATIONS 508

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106530 STATION NAME: GIEBELSTADT AAF GERMANY PERIOD OF RECORD: OCT 80 - SEP 89
LST TO UTC: - 1 MONTH: SEP HOURS: 15-17

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	1.6	1.6	.2									3.4	4.9	5.0
020-040	3.8	3.6	.4									7.7	4.9	5.0
050-070	5.3	2.4	.4									8.1	4.2	4.0
(E) 080-100	3.0	3.2	.4									6.5	5.0	5.0
110-130	1.0	1.2	.2									2.4	5.3	5.0
140-160	.8	1.4	.4									2.6	6.0	7.0
(S) 170-190	.4	1.4										1.8	5.6	6.0
200-220	2.4	3.2	1.4									6.9	6.1	6.0
230-250	3.6	10.3	9.5	1.2	.4							25.0	8.9	9.0
(W) 260-280	3.0	4.0	2.4	.8	.2							10.3	7.9	7.5
290-310	1.2	5.5	.8									7.5	6.4	6.0
320-340	3.6	3.6										7.1	4.9	4.5
VARIABLE		.8	.4									1.2	9.2	9.0
CALM	/	/	/	/	/	/	/	/	/	/	/	9.5	/	/
TOTALS	29.7	42.2	16.5	2.0	.6							100.0	6.0	6.0

TOTAL NUMBER OF OBSERVATIONS 505

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106530

STATION NAME: GIEBELSTADT AAF GERMANY
LST TO UTC: - 1

PERIOD OF RECORD: OCT 80 - SEP 89
MONTH: SEP HOURS: 18-20

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND	MEDIAN WIND	
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	4.5	1.1										5.6	3.5	3.0
020-040	7.3	2.6	.2									10.1	4.0	4.0
050-070	3.4	1.3	.2									4.9	3.7	3.0
(E) 080-100	1.3	.2										1.5	3.1	3.0
110-130	2.2	.4										2.6	3.1	2.5
140-160	2.2	.6										2.8	3.2	3.0
(S) 170-190	2.2											2.2	2.7	2.5
200-220	4.5	1.7	.4									6.7	4.1	3.0
230-250	5.8	6.9	2.6	.9								16.1	7.0	7.0
(W) 260-280	4.5	4.5	.9									9.9	5.3	5.0
290-310	3.4	2.4	.6									6.5	4.9	4.0
320-340	3.0	.4										3.4	3.4	3.0
VARIABLE		.2	.2									.4	9.0	9.0
CALM	/	/	/	/	/	/	/	/	/	/	/	27.3	/	/
TOTALS	44.3	22.3	5.1	.9								100.0	3.5	4.0

TOTAL NUMBER OF OBSERVATIONS 465

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

		WIND SPEED IN KNOTS										PERIOD OF RECORD: OCT 80 - SEP 89			
		MONTH: SEP HOURS: 21-23													
DIRECTION (DEGREES)		1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65	TOTAL %	MEAN WIND	MEDIAN WIND
(N) 350-010		4.1	1.2										5.3	2.9	2.0
020-040		2.4	2.4										4.7	4.5	4.5
050-070			1.2										1.2	6.0	6.0
(E) 080-100		3.6											3.6	2.7	2.0
110-130		1.8											1.8	2.0	2.0
140-160		4.1	.6										4.7	2.8	2.0
(S) 170-190		4.1	.6										4.7	2.8	2.0
200-220		4.7	1.2	1.8									7.7	5.2	4.0
230-250		7.7	8.9	1.8	.6								18.9	5.7	5.0
(W) 260-280		3.6	6.5	1.2									11.2	6.1	5.0
290-310		1.2											1.2	3.0	3.0
320-340		1.8	1.8										3.6	4.2	4.0
VARIABLE															
CALM		/	/	/	/	/	/	/	/	/	/	/	31.4	/	/
TOTALS		39.1	24.4	4.8	.6								100.0	3.2	4.0

TOTAL NUMBER OF OBSERVATIONS 169

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106530

STATION NAME: GIEBELSTADT AAF GERMANY
LST TO UTC: - 1

PERIOD OF RECORD: OCT 80 - SEP 89
MONTH: SEP HOURS: ALL

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL	MEAN	MEDIAN	
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	2.8	1.5	.3									4.6	4.4	4.0
020-040	4.3	2.8	.3									7.5	4.6	4.0
050-070	4.3	2.3	.1									6.7	4.2	4.0
(E) 080-100	2.5	1.6	.2	.0								4.3	4.4	4.0
110-130	1.6	.8	.2									2.5	4.3	4.0
140-160	1.4	.9	.1									2.4	4.3	4.0
(S) 170-190	1.7	.8	.0									2.6	3.7	3.0
200-220	2.4	3.4	1.6	.1								7.5	6.6	6.0
230-250	4.9	8.3	5.7	1.4	.2							20.7	8.1	8.0
(W) 260-280	3.7	4.9	1.8	.7	.1							11.2	6.8	6.0
290-310	1.8	3.1	.9									5.8	6.2	6.0
320-340	2.2	1.8	.0									4.1	4.5	4.0
VARIABLE		.9	.5	.0								1.5	9.3	9.0
CALM	/	/	/	/	/	/	/	/	/	/	/	18.7	/	/
TOTALS	33.6	33.1	11.7	2.2	.3							100.0	4.9	5.0

TOTAL NUMBER OF OBSERVATIONS 2653

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106530 STATION NAME: GIEBELSTADT AAF GERMANY PERIOD OF RECORD: OCT 80 - SEP 89
LST TO UTC: - 1 MONTH: SEP HOURS: ALL

CATEGORY A: CEILING GE 200 BUT LESS THAN 1500 FEET WITH VISIBILITY GE 1/2 MILE (0800 METERS).

AND/OR

VISIBILITY GE 1/2 MILE (0800 METERS) BUT LESS THAN 3 MILES (4800 METERS) WITH CEILING GE 200 FEET.

WIND SPEED IN KNOTS

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL	MEAN	MEDIAN	
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	4.4	3.7	1.3									9.4	5.6	6.0
020-040	8.4	4.7	.3									13.4	4.3	4.0
050-070	9.1	2.3										11.4	3.5	3.0
(E) 080-100	3.7	1.7										5.4	3.7	3.0
110-130	1.3	1.3										2.7	3.9	4.0
140-160	.7	.7										1.3	4.8	4.5
(S) 170-190	.7											.7	1.5	1.5
200-220	1.0	.3										1.3	3.5	3.5
230-250	4.7	3.0	.3									8.1	4.2	4.0
(W) 260-280	4.7	3.4	.3									8.4	4.4	4.0
290-310	1.3	1.3	1.0									3.7	6.5	6.0
320-340		2.7										2.7	6.3	6.0
<hr/>														
VARIABLE														
CALM	/	/	/	/	/	/	/	/	/	/	/	31.5	/	/
TOTALS	40.0	25.1	3.2									100.0	3.0	4.0

TOTAL NUMBER OF OBSERVATIONS 298

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106530

STATION NAME: GIEBELSTADT AAF GERMANY

PERIOD OF RECORD: OCT 80 - SEP 89

LST TO UTC: - 1

MONTH: OCT HOURS: 06-08

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND	MEDIAN WIND	
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	2.5											2.5	2.4	2.0
020-040	2.3	1.0										3.3	3.3	3.0
050-070	5.0	1.3										6.3	3.3	3.0
(E) 080-100	5.0	1.5										6.5	3.8	4.0
110-130	1.9	1.0										2.9	4.4	4.0
140-160	3.3	.4										3.8	2.9	2.5
(S) 170-190	3.6	1.5										5.0	3.5	2.5
200-220	2.3	5.6	1.5									9.4	6.5	7.0
230-250	5.9	11.1	2.9	1.3	.4							21.5	7.4	7.0
(W) 260-280	3.3	1.5	.8	.2								5.9	5.5	4.0
290-310	2.1	.2										2.3	2.8	3.0
320-340	.4											.4	1.5	1.5
VARIABLE				.4	.2							.6	19.0	18.0
CALM	/	/	/	/	/	/	/	/	/	/	/	29.5	/	/
TOTALS	37.6	25.1	5.2	1.9	.6							100.0	3.7	4.0

TOTAL NUMBER OF OBSERVATIONS 478

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106530 STATION NAME: GIEBELSTADT AAF GERMANY PERIOD OF RECORD: OCT 80 - SEP 89
LST TO UTC: - 1 MONTH: OCT HOURS: 09-11

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	1.9	.5										2.5	3.4	3.5
020-040	3.0	.4										3.4	2.9	3.0
050-070	6.3	4.2										10.6	4.2	4.0
(E) 080-100	2.3	4.2	.2									6.7	5.4	5.5
110-130	2.8	2.5	.5									5.8	4.5	5.0
140-160	3.0	1.4	.2									4.6	4.0	4.0
(S) 170-190	2.5	1.8	.2									4.4	4.2	3.0
200-220	1.9	4.1	2.5	.2								8.6	7.3	7.0
230-250	2.3	12.0	8.3	3.0	.4	.2						26.1	9.6	9.0
(W) 260-280	1.8	3.2	1.2			.2						6.3	6.6	6.0
290-310	1.8	1.1										2.8	4.2	4.0
320-340	.7	.5										1.2	4.6	4.0
VARIABLE			.9				.2					1.1	14.5	13.0
CALM	/	/	/	/	/	/	/	/	/	/	/	15.9	/	/
TOTALS	30.3	35.9	14.0	3.2	.6	.4						100.0	5.5	6.0

TOTAL NUMBER OF OBSERVATIONS 567

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106530

STATION NAME: GIEBELSTADT AAF GERMANY
LST TO UTC: - 1

PERIOD OF RECORD: OCT 80 - SEP 89
MONTH: OCT HOURS: 12-14

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64			
(N) 350-010	1.6	1.1	.5								3.2	4.9	4.0
020-040	2.3	.9									3.2	3.7	4.0
050-070	4.1	3.4	.5								8.0	4.7	4.0
(E) 080-100	3.7	4.1	.9								8.7	5.5	5.0
110-130	3.2	3.5	.5								7.3	5.5	5.0
140-160	2.7	1.9	.2								4.8	4.4	4.0
(S) 170-190	3.0	1.4									4.4	4.0	4.0
200-220	1.1	5.3	1.8	.2							8.3	7.5	7.0
230-250	1.8	8.5	11.9	4.1	.4						26.5	10.5	10.0
(W) 260-280	2.3	3.4	2.3	.2							8.1	7.4	7.0
290-310	1.9	2.7	.4								5.0	5.6	5.5
320-340	1.1	.9	.2								2.1	4.8	4.5
VARIABLE		1.1	.7	.7	.2						2.7	11.7	10.0
CALM	/	/	/	/	/	/	/	/	/	/	7.8	/	/
TOTALS	28.8	38.2	19.9	5.2	.6						100.0	6.6	7.0

TOTAL NUMBER OF OBSERVATIONS 565

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106530 STATION NAME: GIEBELSTADT AAF GERMANY PERIOD OF RECORD: OCT 80 - SEP 89
LST TO UTC: - 1 MONTH: OCT HOURS: 15-17

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND	MEDIAN WIND	
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	3.1	.4	.2									3.6	3.8	3.5
020-040	4.1	2.2										6.3	3.8	3.0
050-070	4.9	2.7										7.6	4.0	4.0
(E) 080-100	3.4	4.5	.5									8.5	5.4	5.0
110-130	2.0	2.2										4.1	5.2	5.0
140-160	2.3	.9	.2									3.4	4.1	4.0
(S) 170-190	2.7	.7										3.4	3.1	3.0
200-220	3.8	5.8	2.2	.5								12.3	6.7	5.5
230-250	2.7	9.7	7.4	2.2	1.3							23.2	9.8	9.0
(W) 260-280	2.7	3.6	1.3	.4	.2							8.1	7.0	6.0
290-310	1.6	2.3	.5	.2								4.7	6.0	5.5
320-340	2.2	1.1										3.2	3.9	3.5
VARIABLE		.9	.4		.2							1.4	10.4	8.5
CALM	/	/	/	/	/	/	/	/	/	/	/	10.1	/	/
TOTALS	35.5	37.0	12.7	3.3	1.7							100.0	5.8	5.0

TOTAL NUMBER OF OBSERVATIONS 555

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106530 STATION NAME: GIEBELSTADT AAF GERMANY PERIOD OF RECORD: OCT 80 - SEP 89
LST TO UTC: - 1 MONTH: OCT HOURS: 18-20

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND	MEDIAN WIND	
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	2.0	.4										2.4	2.8	3.0
020-040	3.8	1.2	.2									5.2	4.1	4.0
050-070	3.8	1.0										4.8	3.1	2.5
(E) 080-100	4.8	1.0										5.8	3.3	3.0
110-130	3.8	.8										4.6	2.7	2.0
140-160	5.2	.6										5.8	3.2	3.0
(S) 170-190	3.6	1.0										4.6	3.0	3.0
200-220	5.6	2.8	1.6	.2	.2							10.4	5.8	4.0
230-250	5.6	10.0	5.2	1.0	1.2							23.0	7.9	7.0
(W) 260-280	3.8	1.8	.6	.2	.2							6.6	5.6	4.0
290-310	2.2	1.0			.2							3.4	5.1	4.0
320-340	2.4	.2										2.6	2.9	2.0
VARIABLE	.2	.2										.4	4.5	4.5
CALM	/	/	/	/	/	/	/	/	/	/	/	20.2	/	/
TOTALS	46.8	22.0	7.6	1.4	1.8							100.0	4.1	4.0

TOTAL NUMBER OF OBSERVATIONS 499

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND	MEDIAN WIND	
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	2.8	.7										3.5	3.6	4.0
020-040	4.3	1.8										6.0	3.3	3.0
050-070	2.5	2.1										4.6	3.8	3.0
(E) 080-100	3.2	1.1										4.3	3.3	2.5
110-130	3.5	.4										3.9	2.7	2.0
140-160	6.4	.4										6.7	2.8	3.0
(S) 170-190	3.2	1.4										4.6	3.2	3.0
200-220	3.5	2.8	.7	.4								7.4	5.7	5.0
230-250	3.5	11.0	3.2	1.4	.4							19.5	7.4	6.0
(W) 260-280	5.3	3.2	.4	1.1								9.9	6.2	4.0
290-310	2.1	.4										2.5	3.6	3.0
320-340														
VARIABLE		.7										.7	7.0	7.0
CALM	/	/	/	/	/	/	/	/	/	/	/	26.2	/	/
TOTALS	40.3	26.0	4.3	2.9	.4							100.0	3.7	4.0

TOTAL NUMBER OF OBSERVATIONS 282

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106530

STATION NAME: GIEBELSTADT AAF GERMANY

PERIOD OF RECORD: OCT 80 - SEP 89

LST TO UTC: - 1

MONTH: OCT

HOURS: ALL

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL	MEAN	MEDIAN	
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	2.3	.5	.1									2.9	3.6	3.0
020-040	3.2	1.2	.0									4.4	3.6	3.0
050-070	4.6	2.5	.1									7.3	4.0	4.0
(E) 080-100	3.7	3.0	.3									7.0	4.8	4.0
110-130	2.8	1.9	.2									4.9	4.5	4.0
140-160	3.6	1.0	.1									4.7	3.6	3.0
(S) 170-190	3.1	1.3	.0									4.4	3.6	3.0
200-220	3.0	4.5	1.8	.2	.0							9.6	6.6	6.0
230-250	3.5	10.3	6.9	2.3	.7	.0						23.8	9.1	8.0
(W) 260-280	3.0	2.8	1.2	.3	.1							7.3	6.5	6.0
290-310	1.9	1.4	.2	.0	.0							3.6	5.0	4.0
320-340	1.2	.5	.0									1.8	3.9	3.0
VARIABLE	.0	.5	.4	.2	.1	.0						1.2	11.8	10.5
CALM	/	/	/	/	/	/	/	/	/	/	/	17.2	/	/
TOTALS	35.9	31.4	11.3	3.0	.9							100.0	5.1	5.0

TOTAL NUMBER OF OBSERVATIONS 2946

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106530 STATION NAME: GIEBELSTADT AAF GERMANY PERIOD OF RECORD: OCT 80 - SEP 89
LST TO UTC: - 1 MONTH: OCT HOURS: ALL

CATEGORY A: CEILING GE 200 BUT LESS THAN 1500 FEET WITH VISIBILITY GE 1/2 MILE (0800 METERS).

AND/OR

VISIBILITY GE 1/2 MILE (0800 METERS) BUT LESS THAN 3 MILES (4800 METERS) WITH CEILING GE 200 FEET.

WIND SPEED IN KNOTS

DIRECTION (DEGREES)	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65	TOTAL	MEAN	MEDIAN
												%	WIND	WIND
(N) 350-010	3.9	.2										4.1	2.9	3.0
020-040	5.7	1.8										7.4	3.4	3.0
050-070	6.5	2.9										9.4	3.7	3.0
(E) 080-100	6.3	4.1	.2									10.6	4.2	4.0
110-130	4.1	3.1	.4									7.6	4.6	4.0
140-160	3.3	1.2										4.5	3.4	3.0
(S) 170-190	1.4	.2										1.6	2.8	3.0
200-220	1.4	2.0										3.3	4.9	5.0
230-250	2.9	7.0	.2	.8	1.0							14.5	8.1	7.0
(W) 260-280	4.7	1.0	.2									5.9	3.7	3.0
290-310	2.3	.4	.2									2.9	3.7	4.0
320-340	.8	.6										1.4	4.3	3.0
VARIABLE														
CALM	/	/	/	/	/	/	/	/	/	/	/	26.8	/	/
TOTALS	43.3	24.5	3.7	.8	1.0							100.0	3.4	4.0

TOTAL NUMBER OF OBSERVATIONS 511

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106530 STATION NAME: GIEBELSTADT AAF GERMANY PERIOD OF RECORD: OCT 80 - SEP 89
LST TO UTC: - 1 MONTH: NOV HOURS: 06-08

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND	MEDIAN WIND	
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	2.5	1.5	.2									4.2	4.1	4.0
020-040	2.5	3.4	.5									6.4	5.7	5.5
050-070	5.1	3.7	.7									9.6	4.6	4.0
(E) 080-100	2.5	3.9										6.4	4.8	5.0
110-130	1.7	2.0	.2									3.9	5.2	5.0
140-160	1.7	.7										2.5	3.6	3.5
(S) 170-190	2.7	.7										3.4	4.1	3.5
200-220	3.4	4.7	.7									8.8	5.5	5.0
230-250	6.1	6.6	4.7	1.2								18.6	7.3	6.5
(W) 260-280	2.9	3.2	3.4									9.6	7.3	6.0
290-310	1.7	1.7	.2	.2								3.9	5.6	5.5
320-340	.7	.5		.2								1.5	6.3	4.5
VARIABLE			.5									.5	7.0	7.0
CALM	/	/	/	/	/	/	/	/	/	/	/	20.8	/	/
TOTALS	33.5	33.1	10.6	1.6								100.0	4.6	5.0

TOTAL NUMBER OF OBSERVATIONS 408

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106530 STATION NAME: GIEBELSTADT AAF GERMANY PERIOD OF RECORD: OCT 80 - SEP 89
LST TO UTC: - 1 MONTH: NOV HOURS: 09-11

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	1.6	1.2	.6									3.4	5.8	5.0
020-040	1.0	3.4	.8									5.3	6.5	7.0
050-070	4.8	3.2	.4									8.5	4.5	4.0
(E) 080-100	3.6	4.4	.6									8.7	5.3	5.0
110-130	3.2	3.0	.2									6.5	4.8	4.5
140-160	1.0	1.2										2.2	4.3	5.0
(S) 170-190	2.8	.4										3.2	3.1	2.5
200-220	4.4	6.7	1.2									12.3	5.6	5.0
230-250	4.2	9.7	5.9	2.8	.2							22.8	8.8	8.0
(W) 260-280	1.6	4.4	2.4	.4								8.9	7.7	7.0
290-310	.4	1.2	.8	.2								2.6	7.8	9.0
320-340	1.4	.2										1.6	3.4	4.0
VARIABLE		.2	.4									.6	9.3	10.0
CALM	/	/	/	/	/	/	/	/	/	/	/	13.3	/	/
TOTALS	30.0	39.2	13.3	3.4	.2							100.0	5.6	6.0

TOTAL NUMBER OF OBSERVATIONS 495

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106530

STATION NAME: GIEBELSTADT AAF GERMANY
LST TO UTC: - 1

PERIOD OF RECORD: OCT 80 - SEP 89
MONTH: NOV HOURS: 12-14

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND	MEDIAN WIND	
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	.4	1.8	.2	.2								2.6	7.0	6.0
020-040	2.0	3.2	.4									5.7	4.9	5.0
050-070	4.1	3.7	.6	.2								8.5	5.0	5.0
(E) 080-100	3.2	4.7	1.6									9.5	6.1	6.0
110-130	1.6	3.2										4.9	5.2	5.0
140-160	1.4	1.0										2.4	4.8	4.0
(S) 170-190	2.4	.6										3.0	4.2	4.0
200-220	2.4	3.7	2.6		.4							9.1	7.7	7.0
230-250	4.1	11.6	9.3	2.2	.4	.2						27.8	9.2	9.0
(W) 260-280	1.8	3.7	4.1	.2								9.7	8.4	8.5
290-310	1.2	1.8	1.2									4.3	7.3	7.0
320-340	.4	.2	.4									1.0	7.2	6.0
VARIABLE		2.2	.4									2.6	8.2	8.0
CALM	/	/	/	/	/	/	/	/	/	/	/	8.7	/	/
TOTALS	25.0	41.4	20.8	2.8	.8	.2						100.0	6.6	7.0

TOTAL NUMBER OF OBSERVATIONS 493

OPERATING LOCATION "A"
USAFTAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106530		STATION NAME: GIEBELSTADT AAF GERMANY										PERIOD OF RECORD: OCT 80 - SEP 89			
		LST TO UTC: - 1										MONTH: NOV HOURS: 15-17			
		WIND SPEED IN KNOTS													
DIRECTION (DEGREES)		1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65	TOTAL %	MEAN WIND	MEDIAN WIND
(N) 350-010		2.1	2.1										4.1	4.2	4.5
020-040		4.6	3.1	.8									8.5	5.0	4.0
050-070		5.4	3.7	1.0									10.1	5.0	4.0
(E) 080-100		4.1	2.7	.6									7.5	4.7	4.0
110-130		2.9	2.9										5.8	4.6	4.5
140-160		1.4	.4										1.9	3.1	3.0
(S) 170-190		1.2	.6	.2									2.1	4.1	3.0
200-220		3.5	5.4	1.4	.2								10.6	6.2	6.0
230-250		2.1	11.6	8.7	.8	.2							23.4	9.0	8.0
(W) 260-280		2.1	3.5	2.5	.6	.2							8.9	8.3	8.0
290-310		.4	1.7	.6									2.7	7.1	7.0
320-340		1.2	1.2										2.5	4.8	4.5
VARIABLE		.2	.2										.4	11.0	11.0
CALM		/	/	/	/	/	/	/	/	/	/	/	11.6	/	/
TOTALS		31.0	39.1	16.0	1.6	.4							100.0	5.7	6.0

TOTAL NUMBER OF OBSERVATIONS 483

OPERATING LOCATION "A"
USAFTAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106530 STATION NAME: GIEBELSTADT AAF GERMANY PERIOD OF RECORD: OCT 80 - SEP 89
LST TO UTC: - 1 MONTH: NOV HOURS: 18-20

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL % WIND	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64			
(N) 350-010	2.5	1.1									3.6	3.9	4.0
020-040	4.3	3.4	.9								8.7	5.3	4.5
050-070	5.9	3.0	.7								9.6	4.5	4.0
(E) 080-100	4.8	.9	.2								5.9	3.1	2.0
110-130	2.7	1.8	.5								5.0	5.1	4.0
140-160	3.4	.7									4.1	2.9	2.5
(S) 170-190	1.8	.9									2.7	3.8	3.5
200-220	3.2	4.3	1.1	.5							9.1	6.5	6.0
230-250	2.3	10.5	5.7	1.6							20.0	8.4	8.0
(W) 260-280	2.1	4.8	1.6		.2						8.7	7.0	7.0
290-310	1.6	1.4	.2	.2							3.4	5.5	5.0
320-340	1.4										1.4	3.0	3.0
VARIABLE			.2								.2	7.0	7.0
CALM	/	/	/	/	/	/	/	/	/	/	17.5	/	/
TOTALS	36.0	33.0	10.9	2.3	.2						100.0	4.8	5.0

TOTAL NUMBER OF OBSERVATIONS 439

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND	MEDIAN WIND	
	1-4	5-9	10-14	15-19	20-24	25-29	3034	35-39	40-49	50-64	GE 65			
(N) 350-010	2.9	1.6										4.5	4.1	4.0
020-040	2.0	3.3	1.6									7.0	6.4	6.0
050-070	6.1	3.3	.4									9.8	4.0	4.0
(E) 080-100	3.3	1.2										4.5	3.4	3.0
110-130	5.3	1.2	.8									7.4	4.6	4.0
140-160	2.5	.4										2.9	2.7	3.0
(S) 170-190	3.7	.4		.4								4.5	4.3	2.0
200-220	2.5	3.7	.8									7.0	6.1	6.0
230-250	3.7	12.3	5.3	1.6								23.0	8.3	7.5
(W) 260-280	2.9	3.7	2.0									8.6	6.1	6.0
290-310	.8	.8		.4								2.0	7.0	5.0
320-340	1.6	1.2										2.9	3.9	4.0
VARIABLE														
CALM	/	/	/	/	/	/	/	/	/	/	/	16.0	/	/
TOTALS	37.3	33.1	10.9	2.0	.4							100.0	4.9	5.0

TOTAL NUMBER OF OBSERVATIONS 244

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106530

STATION NAME: GIEBELSTADT AAF GERMANY
LST TO UTC: - 1

PERIOD OF RECORD: OCT 80 - SEP 89
MONTH: NOV HOURS: ALL

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL	MEAN	MEDIAN	
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	1.9	1.6	.2	.0								3.7	4.8	4.0
020-040	2.8	3.3	.8									6.9	5.5	5.0
050-070	5.2	3.4	.7	.0								9.3	4.7	4.0
(E) 080-100	3.6	3.2	.6									7.4	4.9	5.0
110-130	2.7	2.5	.2									5.5	4.9	4.5
140-160	1.8	.8										2.6	3.6	3.0
(S) 170-190	2.3	.6	.0									3.0	3.9	3.0
200-220	3.3	4.8	1.4	.1	.1							9.8	6.3	6.0
230-250	3.7	10.3	6.8	1.8	.2	.0						22.8	8.6	8.0
(W) 260-280	2.1	3.9	2.7	.2	.1							9.1	7.6	7.0
290-310	1.0	1.5	.6	.2								3.2	6.7	6.0
320-340	1.1	.5	.1	.0								1.7	4.6	4.0
VARIABLE		.6	.2									.8	8.5	8.0
CALM	//////////											14.3	//////////	
TOTALS	31.5	37.0	14.3	2.3	.4							100.0	5.5	6.0

TOTAL NUMBER OF OBSERVATIONS 2562

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106530 STATION NAME: GIEBELSTADT AAF GERMANY PERIOD OF RECORD: OCT 80 - SEP 89
LST TO UTC: - 1 MONTH: NOV HOURS: ALL

CATEGORY A: CEILING GE 200 BUT LESS THAN 1500 FEET WITH VISIBILITY GE 1/2 MILE (0800 METERS).
AND/OR
VISIBILITY GE 1/2 MILE (0800 METERS) BUT LESS THAN 3 MILES (4800 METERS) WITH CEILING GE 200 FEET.

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL	MEAN	MEDIAN	
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
%	WIND	WIND												
(N) 350-010	3.5	4.0	.5									8.0	4.8	5.0
020-040	4.7	2.4	1.6									8.7	5.3	4.0
050-070	5.5	2.8										8.3	3.8	4.0
(E) 080-100	4.3	4.2										8.5	4.7	4.0
110-130	4.5	5.5	.3									10.4	5.2	5.0
140-160	2.3	1.0										3.3	3.9	4.0
(S) 170-190	1.6											1.6	2.6	2.0
200-220	3.5	4.0	.9									8.3	5.7	5.0
230-250	4.5	7.1	3.1	1.0								15.8	7.5	7.0
(W) 260-280	1.7	2.1	.5	.3	.2							4.9	6.6	5.0
290-310	.9	.2										1.0	3.7	4.0
320-340	.2	.2										.3	5.0	5.0
VARIABLE														
CALM	/	/	/	/	/	/	/	/	/	/	/	21.0	/	/
TOTALS	37.2	33.5	6.9	1.3	.2							100.0	4.3	5.0

TOTAL NUMBER OF OBSERVATIONS 577

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106530 STATION NAME: GIEBELSTADT AAF GERMANY PERIOD OF RECORD: OCT 80 - SEP 89
LST TO UTC: - 1 MONTH: DEC HOURS: 06-08

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64			
(N) 350-010	.9	.2	.2								1.4	4.5	3.0
020-040	3.6	1.8	.2								5.7	4.2	4.0
050-070	3.9	2.3	.5								6.6	4.4	4.0
(E) 080-100	4.3	3.2									7.5	4.4	4.0
110-130	2.7	1.1	.5								4.3	4.2	3.0
140-160	2.3	.5									2.7	3.2	2.5
(S) 170-190	2.3	.2									2.5	2.7	2.0
200-220	3.2	3.9	.9								8.0	5.6	5.0
230-250	3.0	10.7	10.9	3.9	.7	.5					29.5	10.1	10.0
(W) 260-280	4.3	3.9	1.8	.9	1.1	.2					12.3	8.3	6.5
290-310		.9	1.1								2.0	9.1	10.0
320-340	.9		.2								1.1	3.8	3.0
VARIABLE		.5		.2							.7	11.0	9.0
CALM	/	/	/	/	/	/	/	/	/	/	15.7	/	/
TOTALS	31.4	29.2	16.3	5.0	1.8	.7					100.0	6.0	6.0

TOTAL NUMBER OF OBSERVATIONS 440

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND	MEDIAN WIND	
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	.9	.6										1.5	3.9	3.5
020-040	1.1	2.8	.4									4.2	5.9	6.0
050-070	4.4	3.0	.2									7.6	4.4	4.0
(E) 080-100	4.2	3.9										8.1	4.6	4.0
110-130	1.7	1.7										3.3	4.7	4.5
140-160	1.7	.9										2.6	3.5	3.5
(S) 170-190	2.4	.2										2.6	2.7	2.0
200-220	3.3	3.5	.9									7.7	5.5	5.0
230-250	2.2	11.6	12.2	4.4	1.1	.6	.2					32.3	10.9	10.0
(W) 260-280	2.4	4.1	2.4	.9	.7	.2						10.7	9.1	7.5
290-310	.6	1.8	.9	.2								3.5	7.7	7.0
320-340	.6	.4	.2									1.1	6.0	6.0
VARIABLE		.2		.2	.2							.6	16.3	18.0
CALM	/	/	/	/	/	/	/	/	/	/	/	14.2	/	/
TOTALS	25.5	34.7	17.2	5.7	2.0	.8	.2					100.0	6.7	6.0

TOTAL NUMBER OF OBSERVATIONS 542

OPERATING LOCATION "A"
USAFTAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106530 STATION NAME: GIEBELSTADT AAF GERMANY PERIOD OF RECORD: OCT 80 - SEP 89
LST TO UTC: - 1 MONTH: DEC HOURS: 12-14

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND	MEDIAN WIND	
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	1.3	.7	.5									2.6	5.4	4.0
020-040	1.1	2.2	.4									3.7	5.6	5.0
050-070	3.3	3.7										7.0	4.7	5.0
(E) 080-100	4.6	2.7										7.3	4.2	4.0
110-130	2.0	2.7										4.8	4.9	5.0
140-160	.9	.7										1.6	3.4	3.0
(S) 170-190	1.1											1.1	2.3	2.0
200-220	1.5	1.8	.7	.2	.2							4.4	7.1	6.0
230-250	3.1	12.3	13.6	3.7	1.3	.5						34.4	10.5	10.0
(W) 260-280	1.6	4.6	4.0	1.5	.9	.2						12.8	10.5	10.0
290-310	.9	3.1	.7	.5								5.3	8.0	8.0
320-340	.5	1.1	.4									2.0	6.4	7.0
VARIABLE		.9	.2									1.1	7.5	7.5
CALM	/	/	/	/	/	/	/	/	/	/	/	11.9	/	/
TOTALS	21.9	36.5	20.5	5.9	2.4	.7						100.0	7.2	7.0

TOTAL NUMBER OF OBSERVATIONS 546

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106530		STATION NAME: GIEBELSTADT AAF GERMANY									PERIOD OF RECORD: OCT 80 - SEP 89				
		LST TO UTC: -1									MONTH: DEC HOURS: 15-17				
		WIND SPEED IN KNOTS													
DIRECTION (DEGREES)		1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65	TOTAL %	MEAN WIND	MEDIAN WIND
(N) 350-010		1.2	1.4										2.5	4.5	5.0
020-040		2.5	3.5	.2									6.2	5.1	5.0
050-070		4.5	1.9										6.4	3.6	3.0
(E) 080-100		2.7	4.5	.2									7.4	5.2	5.5
110-130		2.3	2.3										4.7	4.3	4.5
140-160		1.4	.4										1.8	3.1	3.0
(S) 170-190		1.6	1.0										2.5	3.6	4.0
200-220		1.9	3.5	1.0									6.4	6.1	6.0
230-250		4.1	11.1	11.7	4.1	.4	.4						31.7	9.8	10.0
(W) 260-280		2.3	3.7	3.7	1.6	.4							11.7	9.5	9.0
290-310		.8	1.8	1.9									4.5	8.1	8.0
320-340		1.4	.6	.4									2.3	5.5	4.0
VARIABLE		.2	.2										.4	7.5	7.5
CALM		/	/	/	/	/	/	/	/	/	/	/	11.5	/	/
TOTALS		26.9	35.7	19.3	5.7	.8	.4						100.0	6.5	6.0

TOTAL NUMBER OF OBSERVATIONS 514

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106530

STATION NAME: GIEBELSTADT AAF GERMANY
LST TO UTC: - 1

PERIOD OF RECORD: OCT 80 - SEP 89
MONTH: DEC HOURS: 18-20

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL % WIND	MEAN WIND	MEDIAN WIND	
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	3.0	.3										3.3	2.5	2.0
020-040	3.8	2.1	.3									6.2	4.7	4.0
050-070	4.1	3.6										7.7	4.3	4.0
(E) 080-100	2.1	4.7										6.8	5.1	5.0
110-130	2.7	1.5										4.1	3.9	4.0
140-160	.6											.6	1.5	1.5
(S) 170-190	1.8	.9										2.7	3.3	3.0
200-220	4.7	5.3										10.1	4.9	5.0
230-250	4.7	7.7	9.8	.6	1.5	.6						24.9	9.5	9.5
(W) 260-280	1.8	4.1	3.3	.6	.6							10.4	9.5	9.0
290-310	.6	1.2	1.2									3.0	7.8	8.0
320-340	.9	.3	.3									1.5	4.0	3.0
VARIABLE														
CALM	/	/	/	/	/	/	/	/	/	/	/	18.9	/	/
TOTALS	30.8	31.7	14.9	1.2	2.1	.6						100.0	5.4	5.5

TOTAL NUMBER OF OBSERVATIONS 338

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106530		STATION NAME: GIEBELSTADT AAF GERMANY										PERIOD OF RECORD: OCT 80 - SEP 89			
		LST TO UTC: - 1										MONTH: DEC HOURS: 21-23			
		WIND SPEED IN KNOTS													
DIRECTION (DEGREES)		1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65	TOTAL %	MEAN WIND	MEDIAN WIND
(N) 350-010		2.3	.6										2.8	2.8	2.0
020-040		4.5	1.7										6.2	3.7	2.0
050-070		2.8	4.0										6.8	5.0	5.5
(E) 080-100		4.0	3.4										7.4	3.9	4.0
110-130		2.3	.6										2.8	3.6	3.0
140-160		1.7	1.1										2.8	4.0	4.0
(S) 170-190		2.3	1.1										3.4	3.7	4.0
200-220		2.8	6.8	1.1									10.8	5.7	6.0
230-250		2.8	9.7	11.9	1.1	.6			.6				26.7	9.5	10.0
(W) 260-280		4.0	2.8	1.7									8.5	6.0	5.0
290-310			1.7	1.1									2.8	8.8	9.0
320-340			.6										.6	4.0	4.0
VARIABLE															
CALM		/	/	/	/	/	/	/	/	/	/	/	18.2	/	/
TOTALS		30.1	33.5	15.8	1.1	.6		.6					100.0	5.2	5.5

TOTAL NUMBER OF OBSERVATIONS 176

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106530

STATION NAME: GIEBELSTADT AAF GERMANY

LST TO UTC: - 1

PERIOD OF RECORD: OCT 80 - SEP 89

MONTH: DEC HOURS: ALL

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL	MEAN	MEDIAN	
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	1.4	.7	.2									2.2	4.1	3.0
020-040	2.4	2.5	.3									5.2	5.0	5.0
050-070	4.0	2.9	.1									7.0	4.3	4.0
(E) 080-100	3.7	3.7	.0									7.5	4.6	5.0
110-130	2.2	1.8	.1									4.1	4.4	4.0
140-160	1.4	.6										2.0	3.3	3.0
(S) 170-190	1.8	.5										2.3	3.1	2.0
200-220	2.8	3.7	.8	.0	.0							7.3	5.7	5.0
230-250	3.3	10.8	11.8	3.4	.9	.5	.1					30.8	10.2	10.0
(W) 260-280	2.6	4.0	3.0	1.1	.7	.1						11.4	9.3	8.0
290-310	.5	1.8	1.2	.2								3.7	8.1	8.0
320-340	.8	.5	.3									1.6	5.4	4.0
VARIABLE	.0	.3	.1	.1	.0							.5	10.1	9.0
CALM	/	/	/	/	/	/	/	/	/	/	/	14.3	/	/
TOTALS	26.9	33.8	17.9	4.8	1.6	.6	.1					100.0	6.7	7

TOTAL NUMBER OF OBSERVATIONS 2556

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106530 STATION NAME: GIEBELSTADT AAF GERMANY PERIOD OF RECORD: OCT 80 - SEP 89
LST TO UTC: - 1 MONTH: DEC HOURS: ALL

CATEGORY A: CEILING GE 200 BUT LESS THAN 1500 FEET WITH VISIBILITY GE 1/2 MILE (0800 METERS).

AND/OR

VISIBILITY GE 1/2 MILE (0800 METERS) BUT LESS THAN 3 MILES (4800 METERS) WITH CEILING GE 200 FEET.

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL	MEAN	MEDIAN	
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	1.5	.2										1.7	3.2	2.0
020-040	3.2	1.7										4.9	4.1	4.0
050-070	6.0	3.2	.3									9.5	4.1	4.0
(E) 080-100	6.6	5.5										12.2	4.1	4.0
110-130	4.3	4.0	.3									8.6	4.8	4.5
140-160	2.2	.8										2.9	3.4	3.0
(S) 170-190	.9	.2										1.1	2.6	2.0
200-220	1.8	2.0	.6									4.5	5.6	5.0
230-250	4.0	11.1	9.2	2.3	1.1	.9	.3					28.9	10.1	9.0
(W) 260-280	2.2	3.1	1.7	1.5	.6							9.1	9.7	8.0
290-310	.6	.3	.3									1.2	5.3	4.0
320-340	.3											.3	2.5	2.5
VARIABLE														
CALM	/	/	/	/	/	/	/	/	/	/	/	15.1	/	/
TOTALS	33.6	31.9	12.6	3.8	1.7	.9	.3					100.0	5.8	5.0

TOTAL NUMBER OF OBSERVATIONS 650

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106530

STATION NAME: GIEBELSTADT AAF GERMANY
LST TO UTC: - 1

PERIOD OF RECORD: OCT 80 - SEP 89
MONTH: ALL HOURS: ALL

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL	MEAN	MEDIAN	
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	2.5	1.6	.3	.0								4.4	4.8	4.0
020-040	3.4	2.8	.5	.0								6.7	4.9	4.0
050-070	4.2	2.8	.3	.0								7.2	4.5	4.0
(E) 080-100	3.4	2.7	.4	.0								6.5	4.7	4.0
110-130	2.1	1.7	.2	.0								4.0	4.7	4.0
140-160	1.8	.7	.0									2.5	3.8	3.0
(S) 170-190	2.0	.7	.1	.0	.0							2.8	3.7	3.0
200-220	2.6	3.1	1.1	.2	.0	.0						7.0	6.3	6.0
230-250	3.6	8.0	6.1	2.0	.5	.1	.0					20.2	9.0	8.0
(W) 260-280	3.2	4.8	2.9	.9	.2	.0	.0	.0				12.0	7.9	7.0
290-310	1.8	2.7	1.3	.2	.0							6.1	7.1	7.0
320-340	1.9	1.6	.4	.0								3.9	5.2	5.0
VARIABLE	.0	.9	.5	.1	.0	.0						1.5	9.4	9.0
CALM	/	/	/	/	/	/	/	/	/	/	/	15.2	/	/
TOTALS	32.5	34.1	14.1	3.4	.7	.1						100.0	5.5	6.0

TOTAL NUMBER OF OBSERVATIONS: 34354

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106530 STATION NAME: GIEBELSTADT AAF GERMANY PERIOD OF RECORD: OCT 80 - SEP 89
LST TO UTC: -1 MONTH: ALL HOURS: ALL

CATEGORY A: CEILING GE 200 BUT LESS THAN 1500 FEET WITH VISIBILITY GE 1/2 MILE (0800 METERS).

AND/OR

VISIBILITY GE 1/2 MILE (0800 METERS) BUT LESS THAN 3 MILES (4800 METERS) WITH CEILING GE 200 FEET.

WIND SPEED IN KNOTS

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL	MEAN	MEDIAN	
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	3.8	2.3	.5	.0								6.6	4.7	4.0
020-040	5.6	3.9	.7	.1								10.4	4.9	4.0
050-070	5.7	2.7	.1	.0								8.5	3.9	4.0
(E) 080-100	3.9	3.2	.1									7.3	4.4	4.0
110-130	2.9	2.7	.1	.0								5.7	4.8	4.0
140-160	2.1	.8	.0									2.9	3.6	3.0
(S) 170-190	1.3	.2	.0									1.5	3.1	3.0
200-220	1.8	1.6	.4	.1								4.0	5.9	5.0
230-250	3.5	6.7	4.0	1.1	.2	.1	.0					15.8	8.4	8.0
(W) 260-280	3.3	3.7	1.4	.7	.1							9.3	7.1	6.0
290-310	1.5	1.0	.4	.2	.0							3.1	6.0	5.0
320-340	1.2	.7	.1									2.1	4.5	4.0
<hr/>														
VARIABLE														
CALM	/	/	/	/	/	/	/	/	/	/	/	22.9	/	/
TOTALS	36.6	29.5	7.8	2.2	.3	.1						100.0	4.4	5.0

TOTAL NUMBER OF OBSERVATIONS: 5342

PPPPPPPP	AAAAAA	RRRRRRR	TTTTTTTTT	DDDDDDDD
PPPPPPPPP	AAAAAAA	RRRRRRRR	TTTTTTTTT	DDDDDDDDD
PP PP	AA AA	RR RR	TT	DD DD
PP PP	AA AA	RR RR	TT	DD DD
PPPPPPPP	AA AA	RRRRRRR	TT	DD DD
PPPPPPPP	AAAAAAA	RRRRRRR	TT	DD DD
PP	AAAAAAA	RR RR	TT	DD DD
PP	AA AA	RR RR	TT	DD DD
PP	AA AA	RR RR	T	DDDDDDDD
PP	AA AA	RR RR	TT	DDDDDDDD

PART D

CEILING VERSUS VISIBILITY AND SKY COVER SUMMARIES

CEILING VS VISIBILITY--PERCENT OCCURRENCE FREQUENCY (POF).

CREATED FROM HOURLY OBSERVATIONS, THIS SUMMARY IS A BIVARIATE DISTRIBUTION OF PERCENTAGE FREQUENCY BY CLASSES OF CEILING (FROM ZERO FEET TO 20,000 FEET--"NO CEILING" IS A SEPARATE CLASS) VERSUS VISIBILITY CLASSES (FROM ZERO MILES (METERS) TO GREATER THAN OR EQUAL TO 7 STATUTE MILES (11,200 METERS)). THE TABLES SUMMARIZE THE DATA AS FOLLOWS:

- BY EIGHT 3-HOUR STANDARD TIME PERIODS FOR EACH MONTH (ALL YEARS COMBINED).
- BY MONTH (ALL YEARS AND ALL HOURS COMBINED).
- BY YEAR (ALL YEARS AND ALL HOURS COMBINED).

BECAUSE OF THE CUMULATIVE NATURE OF THESE SUMMARIES, IT IS POSSIBLE TO DETERMINE THE PERCENTAGE OCCURRENCE FREQUENCY (POF) FOR ANY GIVEN CEILING AND/OR VISIBILITY LIMIT(S), EITHER SEPARATELY OR IN ANY COMBINATION. TOTALS PROGRESS FROM RIGHT TO LEFT AND FROM BOTTOM TO TOP. TO DETERMINE CEILING ALONE, REFER TO THE EXTREME RIGHT-HAND COLUMN (ZERO VISIBILITY). TO DETERMINE VISIBILITY ALONE, REFER TO THE BOTTOM ROW (ZERO CEILINGS). DETERMINE THE POF THAT MEETS OR EXCEEDS ANY GIVEN SET OF MAXIMA BY READING THE VALUE AT THE INTERSECTION OF THE APPROPRIATE CEILING ROW AND VISIBILITY COLUMN.

NOTE 1: IN JANUARY 1968, METAR STATIONS BEGAN REPORTING VISIBILITIES TO 6 STATUTE MILES OR 9000 METERS. VALUES EXCEEDING 9000 METERS ARE REPORTED AS "9999."

NOTE 2: FOR OVERSEAS CIVILIAN STATIONS REPORTING "CAVOK", ALL CEILINGS GREATER THAN 5000 FEET APPEAR IN THE 5000 FEET CLASS.

CONVERSIONS: 1 STATUTE MILE = 1,609.344 METERS = .868391 NAUTICAL MILES.
FOR CONVENIENCE, THE CONVERSION OFTEN USED IS 1 STATUTE MILE = 1,600 METERS.

SKY COVER--PERCENT OCCURRENCE FREQUENCY.

ALSO CREATED FROM HOURLY OBSERVATIONS, THIS SUMMARY GIVES PERCENTAGE OCCURRENCE FREQUENCY (POF) OF SKY COVER IN EIGHTHS FOR SYNOPTIC STATIONS, BUT AS CLEAR, SCATTERED, BROKEN, OVERCAST, PARTIALLY OBSCURED, OR TOTALLY OBSCURED FOR AIRWAYS STATIONS. FOR AIRWAYS STATIONS, THIS SUMMARY ALSO GIVES POF FOR SKY COVER GREATER THAN ONE-HALF (I.E., 6/10). DATA IS SUMMARIZED THE SAME AS FOR PREVIOUS TABLE.

NOTE 1. THESE SUMMARIES ARE NOT AVAILABLE FOR METAR REPORTING STATIONS.

NOTE 2. AIRWAYS STATIONS THAT HAVE REPORTED IN SYNOPTIC CODE HAVE HAD THEIR SYNOPTIC SKY COVER REPORTS CONVERTED AS FOLLOWS:

0/8.....	CLEAR
1/8 THRU 4/8.....	SCATTERED
5/8 THRU 7/8.....	BROKEN
8/8.....	OVERCAST

NOTE 3. "PARTIAL OBSCURATION" IS A SEPARATE CATEGORY NOT INCLUDED IN COMPUTATION OF "GREATER THAN 1/2" PERCENTAGES. "TOTAL OBSCURATIONS," HOWEVER, ARE INCLUDED.

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106530 STATION NAME: GIEBELSTADT AAF GERMANY PERIOD OF RECORD: OCT 80 - SEP 89
LST TO UTC: - 1 MONTH: JAN HOURS: 06-08

CEILING IN FEET	VISIBILITY IN METERS															
	GE 112	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 08	GE 06	GE 04	GE 00
NO CEIL	12.2	12.6	15.1	15.5	18.3	20.0	20.4	21.4	21.6	22.3	23.1	23.9	23.9	24.4	24.6	25.2
GE 20000	13.9	14.5	17.0	17.4	20.8	22.5	22.9	23.9	24.2	25.0	25.8	26.7	26.7	27.1	27.3	28.2
GE 18000	13.9	14.5	17.0	17.4	20.8	22.5	22.9	23.9	24.2	25.0	25.8	26.7	26.7	27.1	27.3	28.2
GE 16000	13.9	14.5	17.0	17.4	20.8	22.5	22.9	23.9	24.2	25.0	25.8	26.7	26.7	27.1	27.3	28.2
GE 14000	13.9	14.5	17.0	17.4	20.8	22.5	22.9	23.9	24.2	25.0	25.8	26.7	26.7	27.1	27.3	28.2
GE 12000	13.9	14.7	17.2	17.6	21.0	22.7	23.1	24.2	24.4	25.2	26.1	26.9	26.9	27.3	27.5	28.4
GE 10000	13.9	14.7	17.2	17.6	21.0	22.7	23.1	24.2	24.4	25.2	26.1	26.9	26.9	27.3	27.5	28.4
GE 9000	14.7	15.5	18.1	18.5	21.8	23.5	23.9	25.0	25.2	26.1	26.9	27.7	27.7	28.2	28.4	29.2
GE 8000	16.2	17.2	20.0	20.8	24.2	25.8	26.5	27.5	27.7	28.6	29.4	30.3	30.3	30.7	30.9	31.7
GE 7000	17.2	18.3	21.6	22.9	26.5	28.4	29.0	30.5	30.7	31.5	32.4	33.2	33.2	33.6	33.8	34.7
GE 6000	17.6	18.7	22.1	23.3	26.9	28.8	29.4	30.9	31.1	31.9	32.8	33.6	33.6	34.0	34.2	35.1
GE 5000	19.1	20.4	23.7	25.0	29.2	31.5	32.1	33.6	33.8	34.9	35.7	36.6	36.6	37.0	37.2	38.0
GE 4500	19.7	21.0	24.6	25.8	30.3	32.6	33.2	34.7	34.9	35.9	36.8	37.6	37.6	38.0	38.2	39.1
GE 4000	23.9	25.2	29.4	31.5	37.2	40.1	40.8	42.2	43.3	44.3	45.2	46.0	46.0	46.4	46.6	47.5
GE 3500	27.1	28.4	33.2	36.3	43.7	46.6	47.5	48.9	50.0	51.1	51.9	52.7	52.7	53.2	53.4	54.2
GE 3000	29.2	31.3	37.4	41.0	50.4	54.6	56.1	58.8	60.1	61.3	62.2	63.0	63.0	63.4	63.7	64.5
GE 2500	30.0	32.1	38.7	42.4	51.9	56.7	58.4	61.6	63.0	64.5	65.3	66.2	66.4	66.8	67.0	67.9
GE 2000	32.1	34.2	41.6	45.8	57.4	63.2	65.1	68.7	70.2	71.8	73.1	73.9	74.4	74.8	75.0	75.8
GE 1800	32.1	34.2	41.6	45.8	57.8	63.9	66.0	69.7	71.2	72.9	74.2	75.0	75.4	75.8	76.1	76.9
GE 1500	33.0	35.1	43.1	47.5	60.1	66.4	68.7	73.1	74.6	76.3	77.5	78.4	78.8	79.2	79.4	80.3
GE 1200	33.4	35.5	44.1	48.5	62.4	68.9	71.4	75.8	77.7	79.6	80.9	81.9	82.4	82.8	83.0	83.8
GE 1000	33.6	35.7	44.7	49.2	63.4	70.0	72.5	76.9	78.8	80.7	81.9	83.0	83.4	83.8	84.0	84.9
GE 900	33.6	35.7	45.0	49.6	63.9	70.4	72.9	77.3	79.2	81.1	82.4	83.4	83.8	84.2	84.5	85.3
GE 800	33.6	35.7	45.0	49.6	64.1	70.8	73.3	77.9	79.8	81.9	83.2	84.2	84.7	85.1	85.3	86.1
GE 700	33.6	35.7	45.0	49.6	64.1	70.8	73.3	77.9	79.8	81.9	83.4	84.5	84.9	85.3	85.5	86.3
GE 600	33.6	35.7	45.0	49.8	65.1	72.1	74.6	79.6	81.5	83.6	85.1	86.1	86.6	87.0	87.8	88.7
GE 500	33.6	35.7	45.0	49.8	65.1	72.1	74.6	79.8	81.9	84.0	85.7	86.8	87.2	87.6	88.4	89.3
GE 400	33.6	35.7	45.0	49.8	65.3	72.3	75.2	80.9	83.0	85.3	87.2	88.2	89.1	89.5	90.3	91.6
GE 300	33.6	35.7	45.0	49.8	65.3	72.5	75.4	81.1	83.4	85.7	87.6	88.7	89.7	90.1	91.0	92.9
GE 200	33.6	35.7	45.0	49.8	65.5	73.1	76.1	81.7	84.2	86.6	89.3	90.5	91.6	92.2	93.1	97.5
GE 100	33.6	35.7	45.0	49.8	65.5	73.1	76.1	81.7	84.2	86.6	89.5	91.0	92.0	92.6	93.5	99.8
GE 000	33.6	35.7	45.0	49.8	65.5	73.1	76.1	81.7	84.2	86.6	89.5	91.0	92.0	92.6	93.5	100.0

TOTAL NUMBER OF OBSERVATIONS 476

OPERATING LOCATION "A"
USAFTAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106530 STATION NAME: GIEBELSTADT AAF GERMANY PERIOD OF RECORD: OT 80 - SEP 89
LST TO UTC: - 1 MONTH: JAN HOURS: 09-11

CEILING IN FEET	VISIBILITY IN METERS																	
	GE 112	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 08	GE 06	GE 04	GE 00		
NO CEIL	10.4	10.6	12.2	12.9	15.0	16.1	17.2	17.9	18.4	20.2	20.9	21.6	21.8	21.8	21.9	22.8		
GE 20000	12.6	12.7	14.9	16.1	18.9	20.4	21.4	22.1	22.7	24.6	25.5	26.2	26.7	26.7	26.9	28.3		
GE 18000	12.7	12.9	15.0	16.3	19.1	20.5	21.6	22.3	22.8	24.8	25.7	26.4	26.9	26.9	27.1	28.5		
GE 16000	12.9	13.1	15.2	16.5	19.3	20.7	21.8	22.5	23.0	25.0	25.8	26.5	27.1	27.1	27.3	28.7		
GE 14000	12.9	13.1	15.2	16.5	19.3	20.7	21.8	22.5	23.0	25.0	25.8	26.5	27.1	27.1	27.3	28.7		
GE 12000	13.6	14.0	16.1	17.3	20.2	21.6	22.7	23.4	23.9	25.8	26.7	27.4	28.0	28.0	28.1	29.6		
GE 10000	14.7	15.0	17.5	18.9	21.9	23.4	24.4	25.1	25.7	27.6	28.5	29.2	29.7	29.7	29.9	31.3		
GE 9000	15.6	15.9	18.6	20.2	23.2	24.6	25.7	26.4	26.9	28.8	29.9	30.6	31.2	31.2	31.3	32.7		
GE 8000	18.1	18.4	21.2	23.0	26.7	28.1	29.2	29.9	30.4	32.4	33.5	34.2	34.7	34.7	34.9	36.5		
GE 7000	19.8	20.4	23.4	25.1	28.8	30.4	31.5	32.2	32.7	34.7	35.8	36.5	37.0	37.0	37.2	38.8		
GE 6000	19.8	20.4	23.4	25.1	29.0	30.6	31.7	32.4	32.9	34.9	35.9	36.6	37.2	37.2	37.3	38.9		
GE 5000	20.9	21.6	24.8	26.7	30.6	32.2	33.8	34.5	35.0	37.0	38.1	38.8	39.3	39.3	39.5	41.1		
GE 4500	21.1	22.3	25.5	27.4	32.0	33.6	35.2	35.9	36.5	38.4	39.5	40.2	40.7	40.7	40.9	42.5		
GE 4000	23.7	25.1	29.0	31.2	36.6	38.4	40.4	41.2	42.1	44.2	45.3	46.0	46.5	46.5	46.7	48.3		
GE 3500	27.1	28.7	32.7	35.4	41.2	43.0	45.0	46.0	46.9	49.0	50.1	50.8	51.3	51.3	51.5	53.1		
GE 3000	32.4	34.2	39.5	43.4	50.8	52.7	56.3	57.9	59.1	61.4	62.5	63.4	63.9	63.9	64.1	65.7		
GE 2500	33.1	34.9	40.5	44.4	52.2	54.2	57.9	59.5	60.7	63.2	64.2	65.1	65.7	65.7	65.8	67.4		
GE 2000	34.9	36.6	42.8	47.3	55.8	58.6	62.8	65.0	66.5	69.0	70.8	71.7	72.2	72.2	72.4	74.0		
GE 1800	35.0	37.0	43.2	47.6	56.1	58.9	63.2	65.3	66.9	69.4	71.2	72.0	72.6	72.6	72.7	74.3		
GE 1500	36.1	38.1	44.6	49.4	58.4	61.6	65.8	68.1	69.7	72.2	74.0	74.9	75.4	75.4	75.6	77.2		
GE 1200	36.8	38.8	46.0	51.2	61.6	65.0	69.7	72.2	73.8	76.6	79.1	80.0	80.5	80.5	80.7	82.3		
GE 1000	37.0	38.9	46.5	52.0	62.7	66.4	71.2	73.8	75.4	78.2	81.1	81.9	82.5	82.5	82.7	84.2		
GE 900	37.0	38.9	46.7	52.4	63.4	67.1	71.9	74.5	76.1	79.3	82.1	83.0	83.5	83.5	83.7	85.3		
GE 800	37.0	38.9	46.7	52.4	63.9	67.8	72.6	75.6	77.2	80.4	83.2	84.1	84.6	84.6	84.8	86.4		
GE 700	37.2	39.1	47.1	52.7	64.4	68.3	73.1	76.1	77.7	80.9	84.2	85.3	85.8	85.8	86.0	87.6		
GE 600	37.2	39.1	47.1	52.7	64.6	68.5	73.3	76.3	78.2	81.4	84.8	85.8	86.4	86.5	86.7	88.3		
GE 500	37.2	39.1	47.1	52.7	64.6	68.7	73.5	77.2	80.0	83.2	86.5	87.6	88.1	88.3	88.5	90.1		
GE 400	37.2	39.1	47.1	52.7	64.6	68.8	74.0	77.9	80.9	84.1	87.6	88.7	89.4	89.7	89.9	91.7		
GE 300	37.2	39.1	47.1	52.7	64.6	68.8	74.0	78.2	81.2	84.6	88.3	89.9	90.6	91.3	91.9	94.3		
GE 200	37.2	39.1	47.1	52.7	64.6	68.8	74.0	78.2	81.4	85.0	88.8	90.6	91.3	92.4	92.9	97.3		
GE 100	37.2	39.1	47.1	52.7	64.6	68.8	74.0	78.2	81.4	85.0	88.8	90.6	91.5	92.6	93.3	99.6		
GE 000	37.2	39.1	47.1	52.7	64.6	69.0	74.2	78.4	81.6	85.3	89.2	91.0	91.9	92.9	93.6	100.0		

TOTAL NUMBER OF OBSERVATIONS 565

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106530 STATION NAME: GIEBELSTADT AAF GERMANY PERIOD OF RECORD: OCT 80 - SEP 89
LST TO UTC: - 1 MONTH: JAN HOURS: 12-14

CEILING IN FEET	VISIBILITY IN METERS															
	GE 112	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 08	GE 06	GE 04	GE 00
NO CEIL	9.9	10.4	12.7	14.4	16.5	17.3	17.4	18.8	18.8	20.4	21.0	21.0	21.3	21.5	21.7	22.2
GE 20000	13.2	13.9	16.9	19.0	21.5	22.2	22.4	23.8	23.8	25.4	25.9	25.9	26.2	26.4	26.6	27.1
GE 18000	13.2	13.9	17.1	19.4	21.8	22.5	22.7	24.1	24.1	25.7	26.2	26.2	26.6	26.8	26.9	27.5
GE 16000	13.4	14.1	17.3	19.5	22.0	22.7	22.9	24.3	24.3	25.9	26.4	26.4	26.8	26.9	27.1	27.6
GE 14000	13.7	14.4	17.6	19.9	22.4	23.1	23.2	24.6	24.6	26.2	26.8	26.8	27.1	27.3	27.5	28.0
GE 12000	14.4	15.1	18.3	20.6	23.2	23.9	24.1	25.5	25.5	27.1	27.6	27.6	28.0	28.2	28.3	28.9
GE 10000	15.0	15.8	19.9	22.5	25.5	26.2	26.4	27.8	27.8	29.4	29.9	29.9	30.3	30.5	30.6	31.2
GE 9000	15.1	16.0	20.2	23.1	26.1	26.8	26.9	28.3	28.3	29.9	30.6	30.6	31.0	31.2	31.3	31.9
GE 8000	16.7	17.6	22.4	25.2	28.5	29.4	29.6	31.2	31.2	32.7	33.5	33.5	34.0	34.2	34.3	34.9
GE 7000	18.7	19.5	24.6	27.5	31.2	32.2	32.6	34.2	34.2	35.7	36.4	36.4	37.0	37.1	37.3	37.9
GE 6000	18.8	19.7	24.8	27.6	31.3	32.4	32.7	34.5	34.5	36.1	36.8	36.8	37.3	37.5	37.7	38.2
GE 5000	20.2	21.1	26.6	29.8	33.5	34.5	34.9	36.6	36.6	38.2	38.9	38.9	39.4	39.6	39.8	40.3
GE 4500	20.8	21.7	27.3	30.6	34.3	35.4	35.7	37.5	37.5	39.1	39.8	39.8	40.3	40.5	40.7	41.2
GE 4000	23.9	24.8	30.6	34.5	38.6	39.8	40.1	42.3	42.3	43.8	45.1	45.1	45.6	45.8	46.0	46.5
GE 3500	28.3	29.2	35.2	39.1	43.3	44.7	45.1	47.2	47.2	49.1	50.5	50.7	51.2	51.4	51.6	52.1
GE 3000	34.7	35.7	44.0	49.8	54.8	56.2	57.2	59.9	60.0	62.1	63.6	63.7	64.3	64.4	64.6	65.1
GE 2500	36.3	37.5	46.0	51.8	56.7	58.1	59.2	61.8	62.0	64.3	65.8	66.0	66.5	66.7	66.9	67.4
GE 2000	38.0	39.3	48.9	55.3	60.6	63.0	64.8	67.8	68.5	71.0	72.5	72.7	73.2	73.4	73.6	74.1
GE 1800	38.2	39.6	49.5	55.8	61.1	63.6	65.3	68.3	69.0	71.5	73.1	73.4	73.9	74.1	74.3	74.8
GE 1500	39.4	40.8	51.6	58.3	63.9	66.5	68.3	71.3	72.0	74.8	76.4	76.8	77.3	77.5	77.6	78.2
GE 1200	40.0	41.5	52.8	60.4	67.1	70.1	72.2	75.2	76.1	78.9	80.5	80.8	81.3	81.7	81.9	82.4
GE 1000	40.3	42.1	53.5	61.4	69.4	73.2	75.5	78.7	80.1	82.9	84.9	85.2	85.9	86.3	86.4	87.0
GE 900	40.3	42.1	53.5	61.4	69.9	73.8	76.1	79.2	80.6	83.6	85.6	85.9	86.6	87.0	87.1	87.7
GE 800	40.3	42.1	53.5	61.4	69.9	74.1	76.4	79.8	81.2	84.2	86.3	86.6	87.3	87.9	88.0	88.6
GE 700	41.0	42.8	54.4	62.3	70.8	75.2	77.5	81.0	82.4	85.7	88.0	88.4	89.3	89.8	90.0	90.5
GE 600	41.0	42.8	54.4	62.3	70.8	75.2	77.5	81.9	83.3	86.6	89.1	89.4	90.3	90.8	91.0	91.5
GE 500	41.0	42.8	54.4	62.3	70.8	75.4	77.8	82.7	84.5	87.9	90.5	90.8	91.7	92.3	92.4	93.0
GE 400	41.2	43.0	54.6	62.5	71.0	75.5	78.0	83.6	85.6	89.1	91.7	92.3	93.1	93.7	94.0	94.5
GE 300	41.2	43.0	54.6	62.5	71.0	75.5	78.2	83.8	85.9	89.4	92.6	93.3	94.2	95.1	96.0	96.8
GE 200	41.2	43.0	54.6	62.5	71.0	75.5	78.2	83.8	85.9	89.4	92.6	93.3	94.2	95.1	96.1	98.2
GE 100	41.2	43.0	54.6	62.5	71.0	75.5	78.2	83.8	85.9	89.4	93.0	93.7	94.5	95.4	96.5	99.8
GE 000	41.4	43.1	54.8	62.7	71.1	75.7	78.3	84.0	86.1	89.6	93.1	93.8	94.7	95.6	96.7	00.0

TOTAL NUMBER OF OBSERVATIONS 568

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106530

STATION NAME: GIEBELSTADT AAF GERMANY
LST TO UTC: + 1

PERIOD OF RECORD: OCT 80 - SEP 89
MONTH: JAN HOURS: 15-17

CEILING IN FEET	VISIBILITY IN METERS															
	112	90	80	60	48	40	32	24	20	16	12	10	08	06	04	00
NO CEIL	13.1	13.6	17.1	17.4	19.2	20.3	21.4	23.9	24.1	24.8	25.0	25.0	25.0	25.1	25.1	25.9
GE 20000	16.3	16.9	21.5	22.6	24.8	26.0	27.1	29.8	30.0	30.7	30.9	30.9	30.9	31.1	31.1	31.8
GE 18000	17.1	17.6	22.3	23.3	25.5	26.8	27.8	30.5	30.7	31.4	31.8	31.8	31.8	32.0	32.0	32.7
GE 16000	17.2	17.8	22.4	23.5	25.7	26.9	28.0	30.7	30.9	31.6	32.0	32.0	32.0	32.1	32.1	32.9
GE 14000	17.4	18.0	22.6	23.7	25.9	27.1	28.2	30.9	31.1	31.8	32.1	32.1	32.1	32.3	32.3	33.0
GE 12000	18.5	19.0	23.7	24.8	26.9	28.2	29.3	32.0	32.1	32.9	33.2	33.2	33.2	33.4	33.4	34.1
GE 10000	19.2	19.7	25.1	26.9	29.6	30.9	32.0	34.6	34.8	35.5	35.9	35.9	35.9	36.1	36.1	36.8
GE 9000	19.4	19.9	25.5	27.3	30.2	31.4	32.5	35.2	35.5	36.3	36.6	36.6	36.6	36.8	36.8	37.5
GE 8000	22.1	22.8	28.9	31.1	34.1	35.4	36.4	39.1	39.5	40.2	40.6	40.6	40.6	40.8	40.8	41.5
GE 7000	24.6	25.3	32.0	34.5	37.9	39.7	40.8	43.6	44.0	44.7	45.1	45.1	45.1	45.2	45.2	46.0
GE 6000	24.8	25.5	32.1	34.6	38.2	40.0	41.1	44.0	44.3	45.1	45.4	45.4	45.4	45.6	45.6	46.3
GE 5000	25.9	26.8	33.4	36.1	39.9	41.7	42.7	45.8	46.1	46.9	47.2	47.2	47.2	47.4	47.4	48.1
GE 4500	26.9	27.8	34.5	37.2	40.9	42.7	43.8	46.9	47.2	47.9	48.3	48.3	48.3	48.5	48.5	49.2
GE 4000	31.4	32.7	39.5	42.4	46.1	48.1	49.2	52.4	52.8	53.5	54.0	54.2	54.2	54.4	54.4	55.1
GE 3500	33.9	35.4	42.7	45.6	49.6	51.5	52.6	55.8	56.2	57.5	58.3	58.5	58.5	58.7	58.7	59.4
GE 3000	36.6	38.4	47.0	50.1	55.1	57.6	59.1	63.6	63.9	65.5	66.4	66.8	66.8	67.0	67.0	67.7
GE 2500	38.6	40.8	49.7	52.8	58.3	61.2	62.8	67.3	67.7	69.3	70.2	70.6	70.6	70.7	70.7	71.5
GE 2000	41.1	43.6	53.7	56.9	63.9	67.3	69.1	73.8	74.1	75.8	76.7	77.0	77.0	77.4	77.4	78.1
GE 1800	41.3	43.8	54.0	57.3	64.5	68.2	70.0	74.9	75.2	76.8	77.7	78.1	78.1	78.5	78.5	79.2
GE 1500	41.8	44.7	55.7	59.1	67.0	70.9	72.9	78.1	78.6	80.4	81.3	81.7	81.7	82.0	82.0	82.8
GE 1200	43.3	46.1	57.6	61.8	70.7	74.7	76.8	82.2	82.9	84.7	85.6	86.0	86.0	86.4	86.4	87.1
GE 1000	43.6	46.5	58.2	62.5	72.2	76.8	79.0	85.1	85.8	87.8	88.7	89.0	89.4	89.8	89.8	90.5
GE 900	43.6	46.5	58.5	62.8	72.9	77.7	79.9	86.0	86.7	88.7	89.6	89.9	90.3	90.7	90.7	91.4
GE 800	43.6	46.5	58.5	62.8	72.7	78.1	80.3	86.7	87.4	89.4	90.3	90.7	91.0	91.4	91.4	92.1
GE 700	43.6	46.5	58.5	62.8	72.9	78.1	89.6	87.6	88.3	90.7	91.6	91.9	92.3	92.6	92.6	93.4
GE 600	43.6	46.5	58.7	63.0	73.1	78.5	81.0	88.7	89.4	91.9	93.0	93.4	93.7	94.1	94.1	94.8
GE 500	43.6	46.5	58.7	63.2	73.2	78.6	81.1	88.9	89.8	92.6	94.1	94.6	95.2	95.5	95.5	96.2
GE 400	43.6	46.5	58.7	63.2	73.2	78.6	81.1	88.9	89.8	92.8	94.3	94.8	95.3	95.7	95.7	96.6
GE 300	43.6	46.5	58.7	63.2	73.2	78.8	81.5	89.2	90.1	93.2	94.6	95.2	95.7	96.2	96.4	97.8
GE 200	43.6	46.5	58.7	63.2	73.2	78.8	81.5	89.2	90.1	93.4	95.0	95.7	96.2	96.8	96.9	98.7
GE 100	43.6	46.5	58.7	63.2	73.2	78.8	81.5	89.2	90.1	93.4	95.0	95.7	96.2	96.8	96.9	100.0
GE 000	43.6	46.5	58.7	63.2	73.2	78.8	81.5	89.2	90.1	93.4	95.0	95.7	96.2	96.8	96.9	100.0

TOTAL NUMBER OF OBSERVATIONS 557

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VIIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106530 STATION NAME: GIEBELSTADT AAF GERMANY PERIOD OF RECORD: OCT 80 - SEP 89
LST TO UTC: - 1 MONTH: JAN HOURS: 18-20

CEILING IN FEET	VISIBILITY IN METERS															
	GE 112	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 08	GE 06	GE 04	GE 00
NO CEIL	18.2	18.9	21.0	22.8	26.5	27.1	29.7	32.1	32.3	33.6	34.7	34.7	34.7	34.7	34.9	35.4
GE 20000	19.7	20.4	23.2	25.2	28.9	29.7	32.3	34.7	34.9	36.2	37.3	37.3	37.3	37.3	37.5	38.0
GE 18000	20.0	20.6	23.4	25.4	29.1	29.9	32.5	34.9	35.1	36.4	37.5	37.5	37.5	37.5	37.7	38.2
GE 16000	20.0	20.6	23.4	25.4	29.1	29.9	32.5	34.9	35.1	36.4	37.5	37.5	37.5	37.5	37.7	38.2
GE 14000	20.0	20.6	23.6	25.6	29.3	30.2	32.8	35.1	35.4	36.7	37.7	37.7	37.7	37.7	38.0	38.4
GE 12000	20.8	21.5	24.5	26.5	30.2	31.0	33.6	36.0	36.2	37.5	38.6	38.6	38.6	38.6	38.8	7.
GE 10000	21.7	22.3	25.4	27.3	31.0	31.9	34.5	36.9	37.1	38.4	39.5	39.5	39.5	39.5	39.7	40.1
GE 9000	23.0	23.6	26.7	28.6	33.2	34.5	37.1	39.5	39.7	41.0	42.3	42.3	42.3	42.3	42.5	43.0
GE 8000	26.2	26.9	31.2	33.8	38.8	40.1	42.7	45.1	45.3	46.6	47.9	47.9	47.9	47.9	48.2	48.6
GE 7000	28.9	29.5	33.8	36.4	41.6	43.0	45.6	47.9	48.2	49.7	51.0	51.0	51.0	51.0	51.2	51.6
GE 6000	30.4	31.0	35.4	38.0	43.6	44.9	47.5	49.9	50.1	51.6	52.9	52.9	52.9	52.9	53.1	53.6
GE 5000	31.9	32.8	37.3	39.9	46.6	47.9	50.5	52.9	53.1	54.7	56.0	56.0	56.0	56.0	56.2	56.6
GE 4500	32.8	33.6	38.6	41.4	48.2	49.5	52.1	54.4	54.7	56.2	57.5	57.5	57.5	57.5	57.7	58.1
GE 4000	36.7	37.5	42.7	45.6	52.3	53.6	56.2	58.6	58.8	60.3	61.6	61.6	61.6	61.6	62.0	62.5
GE 3500	40.3	41.4	46.9	49.9	56.6	57.9	60.5	62.9	63.1	64.6	65.9	65.9	65.9	65.9	66.4	66.8
GE 3000	42.3	43.8	50.8	54.0	60.7	62.5	65.1	67.7	68.3	69.8	71.6	71.6	71.6	71.6	72.0	72.5
GE 2500	44.3	45.8	53.1	56.6	63.6	65.3	67.9	70.7	71.4	72.9	74.6	74.6	74.6	74.6	75.1	75.5
GE 2000	45.6	47.3	55.5	59.4	67.5	69.4	72.2	75.9	76.6	78.3	80.0	80.3	80.3	80.3	80.7	81.1
GE 1800	45.8	47.5	55.7	59.7	67.7	69.8	72.7	76.4	77.0	78.7	80.5	80.7	80.7	80.7	81.1	81.6
GE 1500	46.0	47.7	56.6	60.5	68.5	70.7	73.5	78.1	78.7	80.5	82.6	82.9	82.9	82.9	83.3	83.7
GE 1200	46.2	47.9	57.0	61.6	70.9	74.2	77.4	82.0	82.6	84.4	86.6	86.8	86.8	86.8	87.2	87.6
GE 1000	46.2	47.9	57.0	62.0	71.4	75.7	79.0	83.7	84.4	86.1	88.5	88.7	88.7	88.7	89.2	89.6
GE 900	46.2	47.9	57.0	62.5	72.5	76.8	80.0	84.8	85.5	87.4	89.8	90.0	90.0	90.0	90.5	90.9
GE 800	46.2	47.9	57.0	62.5	72.5	77.4	80.7	85.9	86.6	88.7	91.1	91.3	91.3	91.3	91.8	92.2
GE 700	46.2	47.9	57.3	62.9	73.1	78.3	82.0	87.4	88.1	90.2	92.8	93.1	93.1	93.1	93.5	93.9
GE 600	46.2	47.9	57.3	63.1	73.3	78.7	82.6	88.7	89.4	91.8	94.6	94.8	94.8	94.8	95.2	95.7
GE 500	46.2	47.9	57.3	63.1	73.3	79.0	82.9	88.9	89.6	92.0	95.4	95.7	95.7	95.9	96.3	96.7
GE 400	46.2	47.9	57.3	63.1	73.3	79.0	82.9	89.2	89.8	92.2	96.1	96.3	96.3	96.5	97.0	97.4
GE 300	46.2	47.9	57.3	63.1	73.3	79.0	82.9	89.2	89.8	92.2	96.1	96.3	96.3	96.7	97.2	97.6
GE 200	46.2	47.9	57.3	63.1	73.3	79.0	82.9	89.2	89.8	92.2	96.1	96.3	96.3	96.7	97.2	98.0
GE 100	46.2	47.9	57.3	63.1	73.3	79.0	82.9	89.2	89.8	92.2	96.3	97.0	97.0	97.6	98.5	100.0
GE 000	46.2	47.9	57.3	63.1	73.3	79.0	82.9	89.2	89.8	92.2	96.3	97.0	97.0	97.6	98.5	100.0

TOTAL NUMBER OF OBSERVATIONS 461

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106530

STATION NAME: GIEBELSTADT AAF GERMANY
LST TO UTC: - 1

PERIOD OF RECORD: OCT 80 - SEP 89
MONTH: JAN HOURS: 21-23

CEILING IN FEET	VISIBILITY IN METERS															
	GE 112	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 08	GE 06	GE 04	GE 00
NO CEIL	17.6	19.2	23.4	25.9	28.5	29.3	32.6	36.4	36.4	37.7	38.5	38.5	38.5	38.5	38.5	39.3
GE 20000	18.4	20.1	25.5	28.0	30.5	31.4	34.7	38.5	38.5	39.7	40.6	40.6	40.6	40.6	40.6	41.4
GE 18000	18.4	20.1	25.5	28.0	30.5	31.4	34.7	38.5	38.5	39.7	40.6	40.6	40.6	40.6	40.6	41.4
GE 16000	18.4	20.1	25.5	28.0	30.5	31.4	34.7	38.5	38.5	39.7	40.6	40.6	40.6	40.6	40.6	41.4
GE 14000	18.4	20.1	25.5	28.0	30.5	31.4	34.7	38.5	38.5	39.7	40.6	40.6	40.6	40.6	40.6	41.4
GE 12000	18.4	20.1	25.5	28.0	30.5	31.4	34.7	38.5	38.5	39.7	40.6	40.6	40.6	40.6	40.6	41.4
GE 10000	19.2	20.9	26.8	29.3	31.8	32.6	36.0	39.7	39.7	41.0	41.8	41.8	41.8	41.8	41.8	42.7
GE 9000	20.9	22.6	28.5	31.0	33.9	35.1	38.5	42.3	42.3	43.5	44.4	44.4	44.4	44.4	44.4	45.2
GE 8000	22.6	24.3	31.0	33.5	36.8	38.1	41.4	45.2	45.2	46.4	47.3	47.3	47.3	47.3	47.3	48.1
GE 7000	25.1	26.8	34.3	36.8	40.2	41.4	44.8	48.5	48.5	49.8	50.6	50.6	50.6	50.6	50.6	51.5
GE 6000	26.4	28.0	35.6	38.1	41.4	42.7	46.0	49.8	49.8	51.0	51.9	51.9	51.9	51.9	51.9	52.7
GE 5000	27.2	28.9	36.8	39.3	44.4	45.6	49.0	52.7	52.7	54.0	54.8	54.8	54.8	54.8	54.8	55.6
GE 4500	28.9	30.5	38.9	41.4	46.4	47.7	51.0	54.8	54.8	56.1	56.9	56.9	56.9	56.9	56.9	57.7
GE 4000	33.9	36.0	44.4	47.3	52.7	54.0	57.3	61.1	61.1	62.3	63.2	63.2	63.2	63.2	63.2	64.0
GE 3500	36.4	38.5	46.9	50.6	56.1	57.3	60.7	64.4	64.4	65.7	66.5	66.5	66.5	66.5	66.5	67.4
GE 3000	38.5	40.6	51.0	55.2	61.1	63.6	67.4	71.1	72.0	73.2	74.1	74.1	74.1	74.1	74.1	74.9
GE 2500	41.0	43.1	54.8	59.4	65.7	68.2	72.0	75.7	76.6	77.8	78.7	78.7	78.7	78.7	78.7	79.5
GE 2000	41.0	43.1	56.1	60.7	67.8	70.7	74.5	78.2	79.1	80.3	81.2	81.2	81.2	81.2	81.2	82.0
GE 1800	41.0	43.1	56.1	60.7	68.6	71.5	75.3	79.1	79.9	81.6	82.4	82.4	82.4	82.4	82.4	83.3
GE 1500	41.0	43.1	56.5	61.1	69.0	72.4	76.2	80.8	81.6	83.7	85.4	85.4	85.4	85.4	85.4	86.2
GE 1200	41.0	43.1	56.5	61.5	72.4	75.7	79.5	84.1	85.8	87.9	89.5	89.5	89.5	89.5	89.5	90.4
GE 1000	41.0	43.1	56.5	61.9	72.8	76.6	80.3	84.9	86.6	88.7	90.4	90.4	90.4	90.4	90.4	91.2
GE 900	41.0	43.1	56.5	61.9	74.5	78.2	82.0	86.6	88.3	90.4	92.1	92.1	92.1	92.1	92.1	92.9
GE 800	41.0	43.1	56.5	61.9	74.5	79.1	82.8	87.4	89.1	91.2	92.9	92.9	92.9	92.9	92.9	93.7
GE 700	41.0	43.1	56.5	61.9	74.5	79.1	82.8	87.4	89.1	91.2	92.9	92.9	92.9	92.9	92.9	93.7
GE 600	41.0	43.1	56.5	61.9	74.5	79.1	82.8	87.9	89.5	92.1	93.7	93.7	93.7	93.7	93.7	94.6
GE 500	41.0	43.1	56.5	61.9	74.5	79.1	82.8	87.9	89.5	92.5	94.1	94.1	94.1	94.1	94.1	95.0
GE 400	41.0	43.1	56.5	61.9	74.5	79.5	83.3	89.1	92.1	95.0	97.1	97.1	97.1	97.1	97.1	97.9
GE 300	41.0	43.1	56.5	61.9	74.5	79.5	83.3	89.1	92.1	95.0	97.9	97.9	97.9	97.9	97.9	98.7
GE 200	41.0	43.1	56.5	61.9	74.5	79.5	83.3	89.1	92.1	95.4	98.3	98.3	98.3	98.3	98.3	99.2
GE 100	41.0	43.1	56.5	61.9	74.5	79.5	83.3	89.1	92.1	95.4	98.3	98.3	98.3	98.3	98.7	99.6
GE 000	41.0	431	56.5	61.9	74.5	79.5	83.3	89.1	92.1	95.4	98.3	98.3	98.3	98.7	98.7	100.0

TOTAL NUMBER OF OBSERVATIONS 239

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106530 STATION NAME: GIEBELSTADT AAF GERMANY PERIOD OF RECORD: OCT 80 - SEP 89
LST TO UTC: - 1 MONTH: JAN HOURS: ALL

CEILING IN FEET	VISIBILITY IN METERS															
	GE 112	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 08	GE 06	GE 04	GE 00
NO CEIL	13.0	13.5	16.1	17.2	19.6	20.7	21.9	23.7	23.9	25.1	25.8	26.0	26.1	26.3	26.4	27.1
GE 20000	15.3	15.9	19.2	20.6	23.4	24.6	25.8	27.6	27.8	29.1	29.8	30.1	30.3	30.4	30.6	31.4
GE 18000	15.5	16.1	19.4	20.9	23.7	24.9	26.1	27.9	28.1	29.4	30.1	30.4	30.6	30.7	30.9	31.7
GE 16000	15.6	16.2	19.5	21.0	23.8	25.0	26.2	28.0	28.2	29.5	30.3	30.5	30.7	30.8	31.0	31.8
GE 14000	15.7	16.3	19.6	21.1	24.0	25.1	26.3	28.2	28.4	29.7	30.4	30.7	30.8	31.0	31.1	31.9
GE 12000	16.3	17.0	20.3	21.8	24.7	25.9	27.1	28.9	29.1	30.4	31.1	31.6	31.7	31.9	32.7	
GE 10000	17.0	17.7	21.5	23.2	26.3	27.4	28.6	30.5	30.7	32.0	32.7	33.0	33.1	33.3	33.4	34.2
GE 9000	17.7	18.5	22.3	24.1	27.4	28.6	29.9	31.7	31.9	33.2	34.1	34.3	34.5	34.6	34.8	35.6
GE 8000	20.0	20.8	25.2	27.3	30.9	32.2	33.4	35.3	35.5	36.8	37.6	37.9	38.1	38.3	38.4	39.3
GE 7000	22.0	22.8	27.6	29.8	33.7	35.2	36.5	38.4	38.7	40.0	40.8	41.1	41.3	41.5	41.6	42.4
GE 6000	22.5	23.3	28.1	30.3	34.3	35.8	37.1	39.1	39.3	40.6	41.5	41.8	42.0	42.1	42.3	43.1
GE 5000	23.7	24.7	29.7	32.0	36.5	38.0	39.4	41.5	41.7	43.1	43.9	44.2	44.4	44.5	44.7	45.5
GE 4500	24.5	25.5	30.7	33.1	37.7	39.3	40.7	42.7	43.0	44.3	45.2	45.4	45.6	45.8	45.9	46.8
GE 4000	28.2	29.4	34.9	37.7	42.8	44.6	46.1	48.2	48.7	50.1	51.0	51.4	51.6	51.7	51.9	52.7
GE 3500	31.6	32.9	38.7	41.9	47.4	49.2	50.7	52.9	53.3	54.9	56.0	56.4	56.6	56.7	56.9	57.7
GE 3000	35.2	36.9	44.3	48.3	54.8	57.2	59.3	62.2	62.9	64.7	65.8	66.3	66.5	66.6	66.8	67.6
GE 2500	36.7	38.5	46.3	50.4	57.2	59.7	62.0	65.0	65.7	67.6	68.8	69.2	69.4	69.6	69.7	70.6
GE 2000	38.5	40.4	49.1	53.6	61.4	64.7	67.3	70.7	71.7	73.6	75.0	75.5	75.8	75.9	76.1	76.9
GE 1800	38.6	40.6	49.4	53.8	61.9	65.3	67.9	71.4	72.4	74.4	75.8	76.2	76.5	76.7	76.9	77.7
GE 1500	39.4	41.4	50.8	55.5	64.0	67.6	70.3	74.2	75.2	77.3	78.8	79.3	79.6	79.8	79.9	80.8
GE 1200	40.0	42.0	52.0	57.2	67.0	70.9	73.9	77.9	79.1	81.3	83.0	83.5	83.8	84.0	84.2	85.0
GE 1000	40.2	42.3	52.4	57.9	68.2	72.7	75.8	80.0	81.3	83.6	85.4	85.9	86.3	86.5	86.7	87.5
GE 900	40.2	42.3	52.5	58.2	69.0	73.5	76.6	80.8	82.1	84.5	86.4	86.9	87.3	87.5	87.6	88.5
GE 800	40.2	42.3	52.5	58.2	69.1	74.0	77.1	81.6	82.9	85.4	87.3	87.8	88.2	88.4	88.6	89.4
GE 700	40.4	42.5	52.8	58.5	69.5	74.5	77.7	82.4	83.7	86.3	88.4	88.9	89.4	89.6	89.8	90.6
GE 600	40.4	42.5	52.9	58.6	69.8	74.9	78.1	83.3	84.7	87.4	89.6	90.2	90.6	90.9	91.1	92.0
GE 500	40.4	42.5	52.9	58.6	69.8	75.0	78.3	83.8	85.5	88.3	90.7	91.3	91.8	92.1	92.4	93.2
GE 400	40.4	42.5	52.9	58.7	69.9	75.2	78.6	84.4	86.3	89.2	91.8	92.4	93.0	93.3	93.6	94.6
GE 300	40.4	42.5	52.9	58.7	69.9	75.2	78.7	84.6	86.5	89.5	92.3	93.1	93.7	94.2	94.8	96.2
GE 200	40.4	42.5	52.9	58.7	69.9	75.3	78.8	84.7	86.7	89.8	92.8	93.7	94.3	94.9	95.5	98.1
GE 100	40.4	42.5	52.9	58.7	69.9	75.3	78.8	84.7	86.7	89.8	93.0	93.9	94.6	95.3	96.0	99.8
GE 000	40.4	42.5	52.9	58.7	70.0	75.4	78.9	84.8	86.8	89.9	93.1	94.0	94.7	95.4	96.1	100.0

TOTAL NUMBER OF OBSERVATIONS 2866

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106530

STATION NAME: GIEBELSTADT AAF GERMANY
LST TO UTC: - 1

PERIOD OF RECORD: OCT 80 - SEP 89
MONTH: FEB HOURS: 06-08

CLILING IN FEET	VISIBILITY IN METERS															
	GE 112	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 08	GE 06	GE 04	GE 00
NO CEIL	10.4	11.3	18.6	20.1	23.5	26.9	27.8	30.3	31.7	32.6	34.6	34.6	34.6	34.6	35.1	35.1
GE 20000	11.8	12.7	20.4	22.2	25.6	29.2	30.1	32.8	34.2	35.1	37.1	37.1	37.1	37.1	37.6	38.0
GE 18000	12.2	13.1	20.8	22.6	26.0	29.6	30.5	33.5	34.8	35.7	37.8	37.8	37.8	37.8	38.2	39.1
GE 16000	12.2	13.1	20.8	22.6	26.0	29.6	30.5	33.5	34.8	35.7	37.8	37.8	37.8	37.8	38.2	39.1
GE 14000	12.2	13.1	20.8	22.6	26.0	29.6	30.5	33.5	34.8	35.7	37.8	37.8	37.8	37.8	38.2	39.1
GE 12000	12.4	13.3	21.0	22.9	26.2	29.9	30.8	33.7	35.1	36.0	38.0	38.0	38.0	38.0	38.5	39.4
GE 10000	12.7	13.6	21.5	23.3	26.7	30.3	31.2	34.2	35.5	36.4	38.5	38.5	38.5	38.5	38.9	39.8
GE 9000	12.7	13.6	21.5	23.3	27.1	30.8	31.7	34.6	36.0	36.9	38.9	38.9	38.9	38.9	39.4	40.3
GE 8000	12.9	13.8	22.4	24.9	28.7	32.4	33.3	36.2	37.8	38.7	40.7	40.7	40.7	40.7	41.2	42.1
GE 7000	13.8	14.7	23.5	26.0	30.1	33.7	34.6	37.6	39.4	40.3	42.3	42.3	42.3	42.3	42.8	43.7
GE 6000	13.8	14.7	23.5	26.0	30.1	33.7	34.6	37.6	39.4	40.3	42.3	42.3	42.3	42.3	42.8	43.7
GE 5000	14.0	15.2	24.4	27.6	32.1	35.7	36.7	39.6	41.4	42.3	44.3	44.3	44.3	44.3	44.8	45.7
GE 4500	14.3	15.4	24.7	28.1	33.7	37.8	38.7	41.6	43.4	44.3	46.4	46.4	46.4	46.4	46.8	47.7
GE 4000	15.6	16.7	27.1	31.0	36.7	41.2	43.0	46.4	48.2	49.5	51.6	51.8	51.8	51.8	52.3	53.2
GE 3500	17.9	19.2	30.3	34.2	40.7	45.2	47.1	50.9	52.7	54.1	56.3	56.6	56.6	56.6	57.0	57.9
GE 3000	20.6	21.9	34.4	38.9	49.8	56.3	58.6	63.1	65.4	67.2	69.5	69.7	69.7	69.7	70.1	71.0
GE 2500	21.7	23.1	35.5	40.0	50.9	57.9	60.2	65.2	67.9	69.9	72.4	72.6	72.6	72.6	73.3	74.2
GE 2000	23.3	24.7	37.6	42.3	55.7	63.8	66.7	72.2	75.6	79.2	82.1	82.6	82.6	83.0	83.5	84.4
GE 1800	23.3	24.7	37.6	42.3	55.7	63.8	66.7	72.2	75.6	79.2	82.1	82.6	82.6	83.0	83.5	84.4
GE 1500	23.5	24.9	37.8	42.5	56.3	65.2	68.3	74.0	78.1	81.7	85.3	85.7	85.7	86.2	86.7	87.6
GE 1200	23.8	25.1	38.0	42.8	56.8	66.3	70.1	75.8	79.9	83.5	87.1	87.8	87.8	88.2	88.7	89.6
GE 1000	24.0	25.3	38.2	43.0	57.2	67.0	70.8	76.7	80.8	84.4	88.0	88.7	88.7	89.1	89.6	90.5
GE 900	24.2	25.6	38.5	43.2	57.9	67.6	71.5	78.1	82.1	85.7	89.4	90.3	90.3	90.7	91.2	92.1
GE 800	24.2	25.6	38.5	43.2	57.9	67.6	71.5	78.3	82.4	86.0	89.6	90.7	90.7	91.2	91.6	92.5
GE 700	24.2	25.6	38.5	43.2	57.9	67.6	71.5	78.3	82.6	86.2	89.8	91.4	91.4	91.9	92.3	93.2
GE 600	24.2	25.6	38.5	43.2	58.4	68.1	71.9	78.7	83.0	86.7	90.3	91.9	91.9	92.3	92.8	93.7
GE 500	24.2	25.6	38.5	43.2	58.6	68.8	72.9	79.9	84.2	87.8	91.4	93.0	93.0	93.4	93.9	94.8
GE 400	24.2	25.6	38.5	43.2	58.6	68.8	72.9	79.9	84.2	87.8	91.6	93.2	93.2	93.7	94.3	95.5
GE 300	24.2	25.6	38.5	43.2	58.6	68.8	72.9	79.9	84.2	87.8	91.6	93.2	93.2	93.9	94.6	95.7
GE 200	24.2	25.6	38.5	43.2	58.6	68.8	73.3	80.3	84.6	88.2	92.1	93.7	93.7	94.8	95.7	97.1
GE 100	24.2	25.6	38.5	43.2	58.6	68.8	73.3	80.3	84.6	88.2	92.1	93.7	93.7	94.8	95.7	100.0
GE 000	24.2	25.6	38.5	43.2	58.6	68.8	73.3	80.3	84.6	88.2	92.1	93.7	93.7	94.8	95.7	100.0

TOTAL NUMBER OF OBSERVATIONS 442

OPERATING LOCATION "A"
USAFTAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106530 STATION NAME: GIEBELSTADT AAF GERMANY PERIOD OF RECORD: OCT 80 - SEP 89
LST TO UTC: - 1 MONTH: FEB HOURS: 09-11

CEILING IN FEET	VISIBILITY IN METERS															
	GE 112	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 08	GE 06	GE 04	GE 00
NO CEIL	10.9	11.1	16.2	17.4	23.1	26.5	27.9	28.4	29.6	30.9	32.1	32.3	32.4	32.6	33.0	33.0
GE 20000	12.8	13.0	18.3	19.5	25.2	28.6	30.0	30.5	31.9	33.2	34.4	34.5	34.7	34.9	35.3	35.3
GE 18000	12.8	13.0	18.3	19.5	25.2	28.6	30.0	30.7	32.1	33.4	34.7	34.9	35.3	35.7	36.1	36.1
GE 16000	12.8	13.0	18.3	19.5	25.2	28.6	30.0	30.7	32.1	33.4	34.7	34.9	35.3	35.7	36.1	36.1
GE 14000	12.8	13.0	18.3	19.5	25.2	28.6	30.0	30.7	32.1	33.4	34.7	34.9	35.3	35.7	36.1	36.1
GE 12000	12.8	13.0	18.3	19.5	25.2	28.6	30.0	30.7	32.1	33.4	34.7	34.9	35.3	35.7	36.1	36.1
GE 10000	13.4	13.5	18.9	20.0	25.8	29.2	30.5	31.3	32.6	34.0	35.3	35.5	35.9	36.3	36.6	36.6
GE 9000	14.1	14.3	20.0	21.2	26.9	30.3	31.7	32.4	33.8	35.1	36.6	36.8	37.2	37.6	38.0	38.0
GE 8000	15.5	15.6	22.3	24.0	30.5	34.2	35.5	36.5	38.2	39.7	41.2	41.4	41.8	42.2	42.6	42.6
GE 7000	17.0	17.2	23.9	25.6	32.4	36.3	37.8	38.7	40.6	42.2	43.7	44.3	44.7	45.0	45.4	45.4
GE 6000	17.2	17.4	24.0	25.8	32.6	36.5	38.0	38.9	40.8	42.4	43.9	44.5	44.8	45.2	45.6	45.6
GE 5000	17.9	18.1	25.4	27.1	34.0	37.8	39.3	40.3	42.2	43.7	45.2	45.8	46.2	46.6	46.9	46.9
GE 4500	17.9	18.3	25.6	27.3	34.4	38.2	40.1	41.0	42.9	44.5	46.0	46.6	46.9	47.3	47.7	47.7
GE 4000	19.7	20.0	28.1	30.0	37.8	42.0	43.9	44.8	46.8	48.9	50.4	51.0	51.5	51.9	52.3	52.3
GE 3500	22.3	22.9	30.9	32.8	40.8	46.0	47.9	48.9	50.8	53.4	55.0	55.7	56.3	56.7	57.1	57.1
GE 3000	25.0	25.8	34.7	37.8	48.9	55.5	58.0	60.1	62.2	65.1	66.8	67.7	68.3	68.7	69.1	69.1
GE 2500	26.1	26.9	36.8	39.9	51.9	58.6	61.1	63.7	66.0	68.9	70.6	72.1	72.9	73.3	73.7	73.7
GE 2000	26.9	27.7	38.4	41.8	54.8	61.8	64.9	68.1	70.6	74.0	76.1	77.7	79.6	80.0	80.3	80.3
GE 1800	26.9	27.7	38.7	42.2	55.2	62.2	65.3	68.5	71.0	74.4	76.5	78.1	80.0	80.3	80.7	80.7
GE 1500	26.9	27.7	38.	42.4	55.7	63.0	66.6	70.4	73.7	77.1	79.2	80.7	82.6	83.0	83.4	83.4
GE 1200	26.9	27.7	38.9	42.9	56.9	65.3	69.1	72.9	76.3	79.8	82.6	84.2	86.1	86.5	86.8	86.8
GE 1000	27.7	28.4	39.7	43.7	57.6	66.2	70.0	73.9	77.5	80.9	83.8	85.5	87.4	88.4	88.9	88.9
GE 900	27.7	28.4	39.7	43.7	57.8	66.6	70.4	74.2	77.9	81.3	84.5	86.6	88.5	89.5	90.1	90.1
GE 800	27.9	28.6	40.1	44.1	58.2	67.0	70.8	74.6	78.2	81.7	84.9	87.0	88.9	89.9	90.5	90.5
GE 700	27.9	28.6	40.1	44.1	58.8	67.6	71.4	75.2	79.0	82.4	85.9	88.2	90.1	91.0	91.6	91.6
GE 600	27.9	28.6	40.1	44.1	59.4	68.1	71.9	75.8	79.6	83.0	87.0	89.3	91.4	92.4	92.9	92.9
GE 500	27.9	28.6	40.1	44.1	59.5	68.9	72.7	76.7	80.5	84.0	88.0	90.3	92.4	93.3	93.9	94.3
GE 400	27.9	28.6	40.1	44.1	59.5	69.1	72.9	77.5	81.3	84.7	88.7	91.2	93.7	94.7	95.2	95.6
GE 300	27.9	28.6	40.1	44.1	59.5	69.1	72.9	77.5	81.3	84.7	88.7	91.2	93.7	95.0	95.8	96.8
GE 200	27.9	28.6	40.1	44.1	59.5	69.1	73.1	77.7	81.5	84.9	88.9	91.6	94.1	95.6	96.4	97.7
GE 100	27.9	28.6	40.1	44.1	59.5	69.1	73.1	77.7	81.5	84.9	88.9	91.6	94.1	95.8	96.6	99.8
GE 000	28.1	28.8	40.3	44.3	59.7	69.3	73.3	77.9	81.7	85.1	89.1	91.8	94.3	96.0	96.8	100.0

TOTAL NUMBER OF OBSERVATIONS 524

OPERATING LOCATION "A"
USAFTAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106530 STATION NAME: GIEBELSTADT AAF GERMANY
LST TO UTC: - 1 PERIOD OF RECORD: OCT 80 - SEP 89
MONTH: FEB HOURS: 12-14

CEILING IN FEET	VISIBILITY IN METERS															
	GE 112	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 08	GE 06	GE 04	GE 00
NO CEIL	13.8	14.3	18.2	20.3	27.0	29.4	31.2	32.3	32.7	32.9	33.1	33.1	33.1	33.1	33.3	33.3
GE 20000	15.7	16.4	20.3	22.4	29.4	32.3	34.2	35.4	35.8	35.9	36.1	36.3	36.3	36.5	36.5	36.5
GE 18000	15.7	16.4	20.3	22.4	29.4	32.3	34.2	35.4	36.1	36.5	36.7	36.9	36.9	36.9	37.1	37.1
GE 16000	15.7	16.4	20.3	22.4	29.4	32.3	34.2	35.4	36.1	36.5	36.7	36.9	36.9	36.9	37.1	37.1
GE 14000	15.7	16.4	20.3	22.4	29.4	32.3	34.2	35.4	36.1	36.5	36.7	36.9	36.9	36.9	37.1	37.1
GE 12000	15.7	16.4	20.3	22.4	29.4	32.3	34.2	35.4	36.1	36.5	36.7	36.9	36.9	36.9	37.1	37.1
GE 10000	15.7	16.4	20.3	22.4	29.4	32.3	34.2	35.4	36.1	36.5	36.7	36.9	36.9	36.9	37.1	37.1
GE 9000	16.8	17.8	21.6	23.7	30.8	33.7	35.6	36.7	37.5	37.9	38.0	38.2	38.2	38.4	38.4	38.4
GE 8000	18.5	19.5	23.7	26.0	33.7	37.1	39.0	40.5	41.3	41.7	41.9	42.1	42.1	42.1	42.3	42.3
GE 7000	19.9	20.8	25.2	27.5	35.6	39.2	41.3	42.8	43.6	44.2	44.4	44.7	44.7	44.7	44.9	44.9
GE 6000	19.9	20.8	25.2	27.5	35.6	39.2	41.3	42.8	43.6	44.2	44.4	44.7	44.7	44.7	44.9	44.9
GE 5000	21.0	22.0	26.8	29.3	37.5	41.1	43.2	44.7	46.1	46.7	46.8	47.2	47.2	47.2	47.4	47.4
GE 4500	21.6	22.6	27.3	29.8	38.0	41.7	43.8	45.3	46.7	47.2	47.4	47.8	47.8	47.8	48.0	48.0
GE 4000	24.1	25.0	31.2	33.7	43.2	47.2	49.7	51.2	52.6	53.7	53.9	54.3	54.3	54.3	54.5	54.5
GE 3500	27.0	28.1	34.8	37.3	47.2	51.8	54.7	56.8	58.3	59.5	59.8	60.2	60.2	60.2	60.4	60.4
GE 3000	32.9	34.2	42.3	46.5	60.0	66.0	68.8	72.3	74.0	75.1	75.7	76.1	76.1	76.1	76.3	76.3
GE 2500	33.7	35.0	43.0	47.2	61.0	66.9	69.8	73.4	75.3	76.5	77.1	77.4	77.4	77.4	77.6	77.6
GE 2000	34.8	36.1	44.6	48.9	64.6	70.7	74.6	78.2	80.1	81.8	83.0	83.7	83.7	83.7	83.9	83.9
GE 1800	35.0	36.3	44.9	49.3	65.0	71.1	75.1	78.8	80.7	82.4	83.6	84.3	84.3	84.3	84.5	84.5
GE 1500	35.8	37.1	45.9	50.3	66.0	72.3	76.3	79.9	82.0	83.7	84.9	85.7	85.7	85.7	85.9	85.9
GE 1200	36.3	37.7	46.5	51.8	67.7	74.8	79.2	82.8	85.5	87.2	88.3	89.3	89.3	89.3	89.5	89.5
GE 1000	36.5	37.9	46.7	52.0	68.3	75.7	80.3	84.3	87.2	89.1	90.2	91.2	91.2	91.2	91.4	91.4
GE 900	36.5	37.9	46.7	52.0	68.3	75.7	80.3	84.3	87.6	89.5	91.2	92.2	92.2	92.2	92.4	92.4
GE 800	36.5	37.9	46.7	52.0	68.3	75.7	80.3	84.3	87.6	89.5	91.2	92.2	92.2	92.2	92.4	92.4
GE 700	36.5	37.9	46.7	52.6	68.8	76.5	81.1	85.1	88.3	90.2	92.2	93.5	93.5	93.5	93.7	93.7
GE 600	36.5	37.9	46.7	52.6	69.0	76.7	81.3	85.5	88.7	90.6	92.5	93.9	93.9	93.9	94.1	94.1
GE 500	36.5	37.9	46.7	52.6	69.0	77.4	82.4	86.6	90.1	92.4	94.3	95.6	95.6	96.2	96.7	96.9
GE 400	36.5	37.9	46.7	52.6	69.0	77.4	82.4	86.8	90.2	92.5	94.8	96.2	96.2	96.7	97.3	97.5
GE 300	36.5	37.9	46.7	52.6	69.0	77.4	82.6	87.0	90.4	92.7	95.0	96.4	96.4	96.9	97.5	97.9
GE 200	36.5	37.9	46.7	52.6	69.0	77.4	82.6	87.0	90.4	92.7	95.0	96.7	96.7	97.3	97.9	98.9
GE 100	36.5	37.9	46.7	52.6	69.0	77.4	82.6	87.0	90.4	92.7	95.0	96.7	96.7	97.3	97.9	100.0
GE 000	36.5	37.9	46.7	52.6	69.0	77.4	82.6	87.0	90.4	92.7	95.0	96.7	96.7	97.3	97.9	100.0

TOTAL NUMBER OF OBSERVATIONS 523

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106530 STATION NAME: GIEBELSTADT AAF GERMANY PERIOD OF RECORD: OCT 80 - SEP 89
LST TO UTC: - 1 MONTH: FEB HOURS: 15-17

CEILING IN FEET	VISIBILITY IN METERS															
	GE 112	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 08	GE 06	GE 04	GE 00
NO CEIL	17.3	17.7	23.4	25.9	30.5	32.8	33.6	33.8	33.8	34.0	34.0	34.0	34.0	34.0	34.0	34.0
GE 20000	20.0	20.5	26.5	29.0	34.4	36.9	37.6	37.8	37.8	38.0	38.0	38.0	38.0	38.0	38.0	38.0
GE 18000	20.7	21.3	27.3	29.8	35.1	37.6	38.4	38.6	39.2	39.3	39.3	39.3	39.3	39.3	39.3	39.3
GE 16000	20.7	21.3	27.3	29.8	35.1	37.6	38.4	38.6	39.2	39.3	39.3	39.3	39.3	39.3	39.3	39.3
GE 14000	20.7	21.3	27.3	29.8	35.3	37.8	38.6	38.8	39.3	39.5	39.5	39.5	39.5	39.5	39.5	39.5
GE 12000	21.3	21.9	27.8	30.3	36.1	38.6	39.3	39.5	40.1	40.3	40.3	40.3	40.3	40.3	40.3	40.3
GE 10000	21.7	22.5	28.4	30.9	36.7	39.2	39.9	40.1	40.7	40.9	40.9	40.9	40.9	40.9	40.9	40.9
GE 9000	21.7	22.5	28.4	30.9	37.0	39.5	40.7	40.9	41.5	41.7	41.7	41.7	41.7	41.7	41.7	41.7
GE 8000	23.4	24.2	30.1	33.2	39.9	42.8	44.3	44.5	45.1	45.3	45.3	45.3	45.3	45.3	45.3	45.3
GE 7000	24.0	24.8	31.1	34.4	41.7	44.7	46.8	47.0	47.8	48.0	48.0	48.0	48.0	48.0	48.0	48.0
GE 6000	24.0	24.8	31.1	34.4	41.7	44.7	46.8	47.0	48.0	48.2	48.2	48.2	48.2	48.2	48.2	48.2
GE 5000	24.6	25.3	31.7	35.3	43.0	46.1	48.2	48.4	49.7	49.9	49.9	49.9	49.9	49.9	49.9	49.9
GE 4500	24.8	25.7	32.1	35.7	43.4	46.4	48.6	49.1	50.5	50.7	50.7	50.7	50.7	50.7	50.7	50.7
GE 4000	28.2	29.4	36.9	40.7	49.3	52.8	54.9	55.5	57.0	57.6	57.6	57.6	57.6	57.6	57.6	57.6
GE 3500	33.4	34.5	43.2	47.0	56.2	59.7	61.8	62.8	64.5	65.1	65.1	65.1	65.1	65.1	65.1	65.1
GE 3000	40.9	42.4	51.4	55.7	66.6	71.4	73.7	75.4	77.2	77.9	77.9	77.9	77.9	77.9	77.9	77.9
GE 2500	41.1	42.6	52.0	56.2	67.9	72.7	75.0	77.2	79.1	79.8	79.8	79.8	79.8	79.8	79.8	79.8
GE 2000	42.6	44.3	54.5	59.1	71.8	76.6	79.5	81.6	83.7	85.2	85.4	85.4	85.4	85.4	85.4	85.4
GE 1800	43.2	44.9	55.1	59.9	72.6	77.4	80.2	82.3	84.5	86.0	86.2	86.2	86.2	86.2	86.2	86.2
GE 1500	43.6	45.5	56.4	61.8	74.5	79.3	82.1	84.5	86.9	88.5	88.9	88.9	88.9	88.9	88.9	88.9
GE 1200	43.6	45.5	56.4	61.8	74.5	79.8	82.7	85.0	88.5	90.0	90.6	90.6	90.6	90.6	90.6	90.6
GE 1000	43.8	45.7	56.8	62.2	75.0	80.4	83.3	86.0	89.4	91.0	91.7	91.7	91.7	91.7	91.7	91.7
GE 900	43.8	45.7	57.2	62.6	75.4	80.8	83.7	86.4	89.8	91.4	92.1	92.3	92.3	92.3	92.3	92.3
GE 800	43.8	45.7	57.2	62.6	75.4	81.0	84.3	87.1	90.8	92.3	93.1	93.3	93.3	93.3	93.3	93.3
GE 700	43.8	45.7	57.2	62.6	75.4	81.6	85.0	87.9	92.1	93.7	94.4	94.6	94.6	94.6	94.6	94.6
GE 600	43.8	45.7	57.2	62.6	75.8	82.3	86.2	89.1	93.3	94.8	95.6	96.2	96.2	96.2	96.2	96.2
GE 500	43.8	45.7	57.2	62.6	75.8	82.5	86.6	89.4	94.2	95.8	96.5	97.1	97.3	97.5	97.5	97.5
GE 400	43.8	45.7	57.2	62.6	75.8	82.5	86.6	89.4	94.2	95.8	96.5	97.1	97.3	97.7	97.7	97.7
GE 300	43.8	45.7	57.2	62.6	75.8	82.5	86.6	89.4	94.2	95.8	96.5	97.1	97.3	97.7	97.7	97.7
GE 200	43.8	45.7	57.2	62.6	75.8	82.5	86.6	89.4	94.2	95.8	96.5	97.1	97.3	97.9	98.1	98.7
GE 100	43.8	45.7	57.2	62.6	75.8	82.5	86.6	89.4	94.2	95.8	96.5	97.1	97.3	97.9	98.1	100.0
GE 000	43.8	45.7	57.2	62.6	75.8	82.5	86.6	89.4	94.2	95.8	96.5	97.1	97.3	97.9	98.1	100.0

TOTAL NUMBER OF OBSERVATIONS 521

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106530

STATION NAME: GIEBELSTADT AAF GERMANY
LST TO UTC: - 1

PERIOD OF RECORD: OCT 80 - SEP 89
MONTH: FEB HOURS: 18-20

CEILING IN FEET	VISIBILITY IN METERS															
	112	90	80	60	48	40	32	24	20	16	12	10	08	06	04	00
NO CEIL	19.6	20.0	26.1	28.1	32.2	35.5	36.8	38.3	38.3	38.6	38.6	39.0	39.0	39.0	39.0	39.2
GE 20000	21.8	22.2	28.5	30.7	35.3	38.8	40.1	41.6	41.8	42.0	42.5	42.9	42.9	42.9	42.9	43.1
GE 18000	22.0	22.4	29.6	31.8	36.4	39.9	41.8	43.4	43.6	43.8	44.2	44.7	44.7	44.7	44.7	44.9
GE 16000	22.0	22.4	29.6	31.8	36.4	39.9	41.8	43.4	44.2	44.4	44.9	45.3	45.3	45.3	45.3	45.5
GE 14000	22.0	22.4	29.6	31.8	36.4	39.9	41.8	43.4	44.2	44.4	44.9	45.3	45.3	45.3	45.3	45.5
GE 12000	22.2	22.7	29.8	32.0	36.8	40.3	42.3	43.8	44.7	44.9	45.3	45.8	45.8	45.8	45.8	46.0
GE 10000	24.2	24.6	31.8	34.0	38.8	42.3	44.2	45.8	46.6	46.8	47.3	47.7	47.7	47.7	47.7	47.9
GE 9000	24.4	24.8	32.0	34.2	39.2	42.7	44.7	46.2	47.1	47.3	47.7	48.1	48.1	48.1	48.1	48.4
GE 8000	27.2	27.9	35.5	37.7	43.1	46.6	48.6	50.1	51.0	51.2	51.6	52.1	52.1	52.1	52.1	52.3
GE 7000	28.3	29.2	37.0	39.2	44.7	48.6	50.8	52.3	53.2	53.4	53.8	54.2	54.2	54.2	54.2	54.5
GE 6000	28.5	29.4	37.3	39.4	44.9	48.8	51.0	52.5	53.4	53.6	54.0	54.5	54.5	54.5	54.5	54.7
GE 5000	28.8	29.6	37.5	40.3	46.2	50.1	52.3	53.8	55.1	55.3	55.8	56.2	56.2	56.2	56.2	56.4
GE 4500	29.4	30.3	38.6	41.6	47.5	51.6	53.8	55.3	56.6	56.9	57.3	57.7	57.7	57.7	57.7	58.0
GE 4000	31.2	32.0	40.5	43.6	50.3	55.1	57.5	59.0	60.6	61.2	61.7	62.1	62.7	62.7	62.7	63.0
GE 3500	35.1	35.9	44.9	48.4	55.6	60.3	62.7	64.7	66.9	67.5	68.0	68.4	69.1	69.1	69.1	69.3
GE 3000	39.2	40.1	49.7	53.4	62.3	67.5	71.2	74.3	76.5	77.1	77.6	78.0	78.6	78.6	78.6	78.9
GE 2500	40.5	41.4	51.2	55.3	64.9	70.2	73.9	76.9	79.3	80.4	80.8	81.3	81.9	81.9	81.9	82.1
GE 2000	42.3	43.1	53.2	57.3	67.5	73.0	76.7	80.0	82.4	83.7	84.1	84.5	85.2	85.2	85.2	85.4
GE 1800	42.5	43.4	53.4	57.5	67.8	73.6	77.3	80.6	83.0	84.3	84.7	85.2	85.8	85.8	85.8	86.1
GE 1500	42.5	43.4	53.8	58.2	68.8	74.7	78.4	81.9	84.5	85.8	86.3	86.7	87.4	87.4	87.4	87.6
GE 1200	42.7	43.6	54.5	58.8	69.5	75.8	79.7	83.2	86.3	87.6	88.5	89.1	89.8	89.8	89.8	90.0
GE 1000	42.9	43.8	54.7	59.0	69.7	76.0	80.0	83.4	86.5	87.8	88.7	89.3	90.0	90.0	90.0	90.2
GE 900	42.9	43.8	54.7	59.3	70.2	76.7	80.6	84.1	87.1	88.5	89.5	90.2	90.8	90.8	90.8	91.1
GE 800	42.9	43.8	54.7	59.3	70.2	76.7	80.6	84.1	87.1	88.5	90.6	91.3	91.9	91.9	91.9	92.2
GE 700	42.9	43.8	54.7	59.3	70.2	77.1	81.0	84.5	88.0	89.3	91.5	92.2	92.8	92.8	92.8	93.0
GE 600	42.9	43.8	54.7	59.3	70.2	77.6	81.7	85.8	89.8	91.3	94.1	94.8	95.4	95.4	95.4	95.6
GE 500	42.9	43.8	54.7	59.3	70.2	77.8	81.9	86.1	90.2	91.7	94.3	95.2	95.9	95.9	95.9	96.1
GE 400	42.9	43.8	54.7	59.3	70.2	77.8	81.9	86.1	90.2	91.7	94.6	95.4	96.1	96.3	96.3	96.5
GE 300	42.9	43.8	54.7	59.3	70.2	77.8	81.9	86.1	90.2	91.7	94.8	95.6	96.3	96.5	96.5	96.7
GE 200	42.9	43.8	54.7	59.3	70.2	77.8	81.9	86.1	90.2	91.7	94.8	95.6	96.3	96.7	97.4	98.3
GE 100	42.9	43.8	54.7	59.3	70.2	77.8	81.9	86.1	90.2	91.7	94.8	95.6	96.3	96.9	97.6	99.1
GE 000	43.1	44.0	54.9	59.5	70.8	78.4	82.6	86.7	90.8	92.4	95.4	96.3	96.9	97.6	98.3	100.0

TOTAL NUMBER OF OBSERVATIONS 459

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

**PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS**

STATION NUMBER: 106530

STATION NAME: GIEBELSTADT AAF GERMANY
LST TO UTC: - 1

PERIOD OF RECORD: OCT 80 - SEP 89
MONTH: FEB HOURS: 21-23

CEILING IN FEET		VISIBILITY IN METERS															
NO CEIL	GE 112	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 08	GE 06	GE 04	GE 00	
GE 20000	20.1	21.8	25.5	26.4	33.9	37.7	38.9	39.3	39.3	39.3	39.7	40.2	40.2	40.2	40.6	40.6	40.6
GE 18000	20.5	22.2	26.8	27.6	35.1	39.7	41.0	41.4	41.4	41.4	41.8	42.3	42.3	42.3	42.7	42.7	42.7
GE 16000	20.5	22.2	26.8	27.6	35.1	39.7	41.0	41.4	41.8	41.8	42.3	42.7	42.7	42.7	43.1	43.1	43.1
GE 14000	21.3	23.0	27.6	28.5	36.0	40.6	41.8	42.3	43.1	43.1	43.5	43.9	43.9	43.9	44.4	44.4	44.4
GE 12000	21.8	23.4	28.0	28.9	36.4	41.0	42.3	42.7	43.5	43.5	43.9	44.4	44.4	44.4	44.8	44.8	44.8
GE 10000	22.2	23.8	28.5	29.3	36.8	41.4	42.7	43.1	43.9	43.9	44.4	44.8	44.8	44.8	45.2	45.2	45.2
GE 9000	22.2	23.8	28.5	29.3	36.8	41.4	42.7	43.1	43.9	43.9	44.4	44.8	44.8	44.8	45.2	45.2	45.2
GE 8000	25.1	27.2	31.8	32.6	40.2	44.8	46.0	46.4	47.3	47.3	47.7	48.1	48.1	48.1	48.5	48.5	48.5
GE 7000	26.8	28.9	33.9	36.0	44.4	49.0	50.2	50.6	51.5	51.5	51.9	52.3	52.3	52.3	52.7	52.7	52.7
GE 6000	27.2	29.3	34.3	36.4	44.8	50.2	51.5	51.9	52.7	52.7	53.1	53.6	53.6	53.6	54.0	54.0	54.0
GE 5000	28.9	31.4	36.4	38.5	46.9	52.3	53.6	54.0	55.6	55.6	56.1	56.5	56.5	56.5	56.9	56.9	56.9
GE 4500	29.7	32.2	38.5	40.6	49.4	54.8	56.1	56.5	58.2	58.2	58.6	59.0	59.0	59.0	59.4	59.4	59.4
GE 4000	31.4	33.9	40.2	42.3	51.5	57.7	59.0	59.4	61.1	61.9	62.3	62.8	62.8	62.8	63.2	63.2	63.2
GE 3500	33.5	36.0	42.3	44.4	54.0	60.7	61.9	63.2	65.7	66.5	66.9	67.4	67.4	67.4	67.8	67.8	67.8
GE 3000	37.2	39.7	47.3	50.2	62.3	69.5	71.5	73.6	76.2	77.4	78.2	78.7	78.7	78.7	79.1	79.1	79.1
GE 2500	38.9	41.4	49.4	52.7	64.9	72.0	74.1	76.2	78.7	79.9	80.8	81.2	81.2	81.2	81.6	81.6	81.6
GE 2000	40.6	43.5	52.3	56.1	68.6	75.7	77.8	79.9	82.4	83.7	84.5	84.9	84.9	84.9	85.4	85.4	85.4
GE 1800	40.6	43.5	52.3	56.1	68.6	75.7	77.8	79.9	82.4	83.7	84.5	84.9	84.9	84.9	85.4	85.4	85.4
GE 1500	41.0	43.9	53.1	56.9	70.3	77.4	79.5	81.6	84.1	85.4	86.2	87.0	87.0	87.0	87.9	87.9	87.9
GE 1200	41.0	43.9	53.6	57.7	71.1	79.5	81.6	83.7	86.2	87.4	88.3	89.1	89.1	89.1	90.0	90.0	90.0
GE 1000	41.0	43.9	53.6	57.7	71.1	79.5	81.6	83.7	86.2	87.4	88.3	89.1	89.1	89.1	90.0	90.0	90.0
GE 900	41.0	43.9	53.6	57.7	71.1	79.5	81.6	83.7	86.6	87.9	88.7	89.5	89.5	89.5	90.4	90.4	90.4
GE 800	41.0	43.9	53.6	57.7	71.1	79.5	81.6	83.7	87.0	88.3	89.5	90.4	90.4	90.4	91.2	91.2	91.2
GE 700	41.0	43.9	53.6	57.7	71.1	79.5	81.6	83.7	87.0	88.3	90.0	90.8	90.8	90.8	91.6	91.6	91.6
GE 600	41.0	43.9	53.6	57.7	71.1	79.9	82.4	85.4	88.7	90.4	92.9	93.7	93.7	93.7	94.6	94.6	94.6
GE 500	41.0	43.9	53.6	57.7	71.1	79.9	82.4	85.4	88.7	90.4	92.9	93.7	93.7	93.7	94.6	94.6	94.6
GE 400	41.0	43.9	53.6	57.7	71.1	79.9	82.4	86.2	89.5	91.2	94.1	95.4	95.4	95.4	96.2	96.2	96.2
GE 300	41.0	43.9	53.6	57.7	71.1	79.9	82.4	86.2	89.5	91.2	95.0	96.2	96.2	96.2	97.1	97.1	97.5
GE 200	41.0	43.9	53.6	57.7	71.1	79.9	82.4	86.2	89.5	91.2	95.0	96.2	96.2	96.2	97.1	97.1	98.3
GE 100	41.0	43.9	53.6	57.7	71.1	79.9	82.4	86.2	89.5	91.2	95.0	96.2	96.2	96.2	97.1	97.1	99.2
GE 000	41.0	43.9	53.6	57.7	72.0	80.8	83.3	87.0	90.4	92.1	95.8	97.1	97.1	97.1	97.9	97.9	100.0

TOTAL NUMBER OF OBSERVATIONS 239

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106530

STATION NAME: GIEBELSTADT AAF GERMANY
LST TO UTC: - 1

PERIOD OF RECORD: OCT 80 - SEP 89
MONTH: FEB HOURS: ALL

CEILING IN FEET	VISIBILITY IN METERS															
	GE 112	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 08	GE 06	GE 04	GE 00
NO CEIL	14.8	15.4	20.8	22.6	27.7	30.7	31.9	33.0	33.5	34.0	34.7	34.8	34.9	34.9	35.1	35.2
GE 20000	16.7	17.4	23.0	24.8	30.3	33.5	34.8	35.9	36.5	37.0	37.7	37.9	37.9	38.0	38.2	38.3
GE 18000	17.0	17.7	23.5	25.3	30.8	34.1	35.5	36.7	37.4	38.0	38.7	38.9	39.0	39.1	39.3	39.5
GE 16000	17.0	17.7	23.5	25.3	30.8	34.1	35.5	36.7	37.6	38.1	38.9	39.1	39.1	39.2	39.4	39.6
GE 14000	17.1	17.8	23.6	25.4	30.9	34.2	35.6	36.8	37.7	38.3	39.0	39.2	39.3	39.4	39.6	39.8
GE 12000	17.3	18.0	23.8	25.6	31.2	34.5	35.9	37.1	38.0	38.6	39.3	39.5	39.6	39.7	39.9	40.1
GE 10000	17.9	18.6	24.4	26.3	31.9	35.2	36.6	37.7	38.7	39.3	40.0	40.2	40.3	40.3	40.5	40.7
GE 9000	18.3	19.1	25.0	26.8	32.6	35.9	37.3	38.5	39.5	40.0	40.8	41.0	41.1	41.1	41.4	41.5
GE 8000	20.0	20.8	27.2	29.4	35.6	39.1	40.7	41.9	43.0	43.6	44.4	44.6	44.6	44.7	44.9	45.1
GE 7000	21.2	22.0	28.6	30.9	37.6	41.2	43.0	44.3	45.5	46.1	46.9	47.2	47.2	47.3	47.5	47.7
GE 6000	21.3	22.1	28.7	31.1	37.7	41.4	43.2	44.5	45.7	46.3	47.1	47.4	47.5	47.5	47.7	47.9
GE 5000	22.0	22.9	29.7	32.4	39.3	43.1	44.8	46.1	47.6	48.3	49.0	49.3	49.4	49.5	49.7	49.9
GE 4500	22.3	23.3	30.4	33.1	40.3	44.1	45.9	47.3	48.9	49.5	50.3	50.6	50.6	50.7	50.9	51.1
GE 4000	24.5	25.5	33.4	36.3	44.2	48.6	50.6	52.1	53.7	54.8	55.6	55.9	56.2	56.2	56.5	56.6
GE 3500	27.8	28.9	37.3	40.3	48.7	53.4	55.5	57.3	59.2	60.5	61.3	61.7	61.9	62.0	62.2	62.4
GE 3000	32.3	33.6	43.0	46.8	58.1	64.0	66.7	69.5	71.5	73.0	73.9	74.3	74.6	74.6	74.9	75.0
GE 2500	33.3	34.6	44.3	48.2	59.9	66.0	68.6	71.8	74.0	75.6	76.6	77.1	77.3	77.4	77.7	77.8
GE 2000	34.	36.0	46.3	50.5	63.5	69.8	73.0	76.4	78.8	81.0	82.3	82.9	83.4	83.6	83.8	84.0
GE 1800	34.9	36.2	46.6	50.8	63.8	70.2	73.4	76.8	79.2	81.5	82.8	83.4	83.9	84.0	84.2	84.4
GE 1500	35.2	36.6	47.2	51.6	64.9	71.5	74.9	78.5	81.3	83.5	85.0	85.6	86.1	86.3	86.5	86.7
GE 1200	35.3	36.7	47.5	52.3	65.7	73.1	76.7	80.3	83.6	85.8	87.5	88.3	88.7	88.9	89.1	89.3
GE 1000	35.6	37.0	47.9	52.6	66.2	73.7	77.4	81.2	84.5	86.7	88.5	89.3	89.8	90.0	90.3	90.5
GE 900	35.7	37.1	48.0	52.7	66.5	74.1	77.8	81.6	85.1	87.3	89.3	90.3	90.7	91.0	91.3	91.5
GE 800	35.7	37.1	48.0	52.8	66.6	74.2	78.0	81.9	85.4	87.7	89.8	90.8	91.3	91.6	91.9	92.1
GE 700	35.7	37.1	48.0	52.9	66.8	74.7	78.4	82.4	86.2	88.4	90.7	91.9	92.4	92.6	92.9	93.1
GE 600	35.7	37.1	48.0	52.9	67.1	75.1	79.1	83.2	87.1	89.4	92.0	93.2	93.8	94.0	94.3	94.5
GE 500	35.7	37.1	48.0	52.9	67.2	75.6	79.7	83.9	87.9	90.3	92.9	94.2	94.8	95.2	95.5	95.8
GE 400	35.7	37.1	48.0	52.9	67.2	75.7	79.7	84.2	88.2	90.6	93.4	94.7	95.3	95.8	96.2	96.6
GE 300	35.7	37.1	48.0	52.9	67.2	75.7	79.8	84.2	88.3	90.7	93.5	94.9	95.5	96.1	96.5	97.0
GE 200	35.7	37.1	48.0	52.9	67.2	75.7	79.9	84.3	88.4	90.8	93.6	95.1	95.7	96.5	97.1	98.2
GE 100	35.7	37.1	48.0	52.9	67.2	75.7	79.9	84.3	88.4	90.8	93.6	95.1	95.7	96.6	97.2	99.7
GE 000	35.8	37.2	48.1	53.0	67.4	75.9	80.1	84.6	88.6	91.0	93.8	95.3	95.9	96.8	97.4	100.0

TOTAL NUMBER OF OBSERVATIONS 2708

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106530

STATION NAME: GIEBELSTADT AAF GERMANY
LST TO UTC: - 1

PERIOD OF RECORD: OCT 80 - SEP 89
MONTH: MAR HOURS: 06-08

CLILING IN FEET		VISIBILITY IN METERS																
NO	CEIL	GE 112	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 08	GE 06	GE 04	GE 00	
GE 20000	9.1	9.7	12.8	14.1	21.1	24.6	26.9	28.4	29.3	29.5	30.7	30.7	30.7	30.9	31.2	32.0		
GE 18000	9.1	9.7	12.8	14.1	21.1	24.6	26.9	28.4	29.3	29.5	30.7	30.7	30.7	30.9	31.2	32.0		
GE 16000	9.1	9.7	12.8	14.1	21.5	25.0	27.2	28.8	29.7	29.9	31.0	31.0	31.0	31.2	31.6	32.4		
GE 14000	9.1	9.7	12.8	14.1	21.5	25.0	27.2	28.8	29.7	29.9	31.0	31.0	31.0	31.2	31.6	32.4		
GE 12000	9.5	10.1	13.1	14.5	22.1	25.5	27.8	29.3	30.5	30.7	32.2	32.4	32.4	32.6	33.0	33.7		
GE 10000	9.9	10.5	13.9	15.2	23.0	26.5	29.0	30.5	31.6	31.8	33.3	33.5	33.5	33.7	34.1	34.9		
GE 9000	11.0	11.6	15.2	17.1	25.1	28.6	31.0	32.6	33.7	34.1	35.6	35.8	35.8	36.0	36.4	37.1		
GE 8000	12.6	13.3	17.5	19.8	28.0	31.4	33.9	35.6	37.1	37.7	39.2	39.4	39.4	39.6	40.0	40.8		
GE 7000	14.3	15.0	19.8	22.5	31.2	34.7	37.1	39.0	40.6	41.1	42.7	42.9	42.9	43.0	43.4	44.2		
GE 6000	14.7	15.4	20.2	22.9	31.6	35.0	37.7	39.6	41.1	41.7	43.2	43.4	43.4	43.6	44.0	44.8		
GE 5000	16.8	17.5	22.3	25.7	35.2	38.9	42.5	44.8	46.3	46.9	48.4	48.6	48.6	48.8	49.1	49.9		
GE 4500	19.0	19.8	25.0	28.8	39.0	43.4	47.8	50.3	52.0	52.6	54.1	54.3	54.3	54.5	54.9	55.6		
GE 4000	22.3	23.4	29.3	33.3	44.2	50.1	54.9	58.1	60.0	60.6	62.3	62.5	62.5	62.7	63.0	63.8		
GE 3500	24.4	25.5	32.0	36.2	47.2	53.7	59.0	62.7	64.6	65.1	67.0	67.2	67.2	67.4	67.8	68.6		
GE 3000	28.2	29.3	36.6	41.1	53.1	60.6	66.3	70.3	72.4	73.9	76.2	76.4	76.4	76.8	77.1	77.9		
GE 2500	29.3	30.5	37.7	42.3	55.2	63.0	69.1	73.7	75.8	77.3	80.0	80.2	80.2	80.6	81.0	81.7		
GE 2000	30.1	31.2	39.2	44.6	58.3	67.0	73.3	78.1	80.6	82.5	86.1	86.3	86.3	86.7	87.0	87.8		
GE 1800	30.1	31.2	39.2	44.6	58.7	67.4	73.7	78.5	81.0	83.0	86.7	86.9	86.9	87.2	87.6	88.4		
GE 1500	30.1	31.2	39.4	45.0	60.4	69.1	75.4	80.2	82.7	84.8	88.4	88.6	88.6	89.0	89.3	90.1		
GE 1200	30.1	31.4	39.8	45.3	61.0	69.7	76.0	80.8	83.4	85.7	89.7	89.9	89.9	90.3	90.7	91.4		
GE 1000	30.1	31.4	39.8	45.5	61.9	71.0	77.3	82.3	85.0	87.2	91.2	91.6	91.6	92.0	92.4	93.1		
GE 900	30.1	31.4	39.8	45.5	61.9	71.0	77.5	82.5	85.1	87.4	91.6	92.0	92.0	92.4	92.8	93.5		
GE 800	30.1	31.4	39.8	45.5	61.9	71.0	77.5	82.5	85.1	87.6	91.8	92.2	92.2	92.8	93.1	93.9		
GE 700	30.1	31.4	39.8	45.5	61.9	71.0	77.5	82.5	85.1	87.6	91.8	92.4	92.4	93.1	93.5	94.3		
GE 600	30.1	31.4	39.8	45.5	61.9	71.0	77.5	82.5	85.1	87.6	91.8	92.4	92.4	93.1	93.5	94.5		
GE 500	30.3	31.6	40.0	45.7	62.1	71.4	77.9	82.9	85.5	88.0	92.2	92.8	93.0	93.5	93.9	94.9		
GE 400	30.3	31.6	40.0	45.7	62.1	71.4	77.9	82.9	85.5	88.0	92.6	93.1	93.3	93.9	94.3	95.2		
GE 300	30.3	31.6	40.0	45.7	62.1	71.6	78.1	83.0	85.7	88.2	92.8	93.3	93.5	94.1	94.5	95.8		
GE 200	30.3	31.6	40.0	45.7	62.1	71.6	78.1	83.0	85.7	88.2	93.1	93.9	94.1	94.9	95.2	97.9		
GE 100	30.3	31.6	40.0	45.7	62.1	71.6	78.1	83.0	85.7	88.2	93.1	93.9	94.1	94.9	95.4	100.0		
GE 000	30.3	31.6	40.0	45.7	62.1	71.6	78.1	83.0	85.7	88.2	93.1	93.9	94.1	94.9	95.4	100.0		

TOTAL NUMBER OF OBSERVATIONS 525

OPERATING LOCATION "A"
USAFTAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106530 STATION NAME: GIEBELSTADT AAF GERMANY PERIOD OF RECORD: OCT 80 - SEP 89
LST TO UTC: - 1 MONTH: MAR HOURS: 09-11

CEILING IN FEET	VISIBILITY IN METERS															
	GE 112	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 08	GE 06	GE 04	GE 00
NO CEIL	7.8	7.8	10.7	13.3	19.5	21.5	22.4	22.9	23.4	24.1	24.4	24.4	24.6	24.7	24.9	25.4
GE 20000	10.4	10.4	14.1	17.6	24.6	26.5	27.6	28.3	29.1	29.8	30.1	30.1	30.2	30.4	30.6	31.2
GE 18000	10.4	10.4	14.1	17.7	24.7	26.7	27.8	28.5	29.3	29.9	30.2	30.2	30.4	30.6	30.7	31.4
GE 16000	10.4	10.4	14.1	17.7	24.7	26.7	27.8	28.5	29.3	29.9	30.2	30.2	30.4	30.6	30.7	31.4
GE 14000	10.6	10.6	14.3	17.9	25.2	27.2	28.3	29.1	29.9	30.6	30.9	30.9	31.1	31.2	31.4	32.0
GE 12000	10.9	11.1	15.3	18.9	26.3	28.5	29.6	30.4	31.4	32.0	32.4	32.4	32.5	32.7	32.8	33.5
GE 10000	12.2	12.5	16.7	20.5	28.1	30.2	31.5	32.4	33.3	34.0	34.3	34.3	34.5	34.6	34.8	35.4
GE 9000	13.3	13.7	17.9	21.8	29.6	31.9	33.2	34.0	35.0	35.6	36.1	36.1	36.3	36.4	36.6	37.2
GE 8000	16.3	16.6	21.5	25.4	33.8	36.3	37.7	38.7	39.7	40.5	41.1	41.1	41.3	41.5	41.6	42.6
GE 7000	17.9	18.2	23.3	27.2	35.9	38.7	40.2	41.1	42.1	42.9	43.6	43.6	43.7	43.9	44.1	45.0
GE 6000	18.2	18.5	23.7	27.6	36.6	39.3	40.8	41.8	42.8	43.6	44.2	44.2	44.4	44.6	44.7	45.7
GE 5000	20.2	20.5	26.2	30.6	39.8	43.3	44.7	45.7	46.7	47.5	48.1	48.1	48.3	48.5	48.8	49.8
GE 4500	21.1	21.5	27.5	32.2	41.6	45.7	47.2	48.3	49.3	50.1	50.7	50.7	50.9	51.1	51.4	52.4
GE 4000	24.1	24.7	31.2	36.6	47.8	52.5	54.3	55.6	56.7	57.9	58.5	58.5	58.7	58.9	59.2	60.2
GE 3500	27.5	28.1	35.0	41.0	53.2	58.2	60.8	62.6	63.7	64.9	65.5	65.5	65.7	65.9	66.2	67.2
GE 3000	33.3	34.3	42.0	48.6	61.6	67.3	70.4	73.2	74.5	75.6	76.4	76.4	76.7	76.9	77.2	78.2
GE 2500	34.0	35.1	43.1	50.1	64.2	70.1	73.2	76.1	77.4	78.5	79.3	79.5	79.7	79.8	80.2	81.1
GE 2000	35.3	36.4	45.4	53.3	68.1	74.6	77.7	81.5	83.3	84.7	85.9	86.0	86.2	86.3	86.7	87.6
GE 1800	35.3	36.4	45.5	53.8	68.6	75.3	78.4	82.1	84.1	85.5	86.7	86.8	87.0	87.2	87.5	88.5
GE 1500	35.9	37.1	46.3	54.6	70.4	77.4	80.7	84.4	86.3	87.8	88.9	89.1	89.3	89.4	89.8	90.7
GE 1200	36.1	37.2	46.8	55.1	71.4	78.4	81.8	85.7	87.8	89.3	90.7	90.9	91.1	91.2	91.5	92.5
GE 1000	36.1	37.2	46.8	55.1	72.2	79.2	82.9	87.2	89.3	90.7	92.2	92.4	92.5	92.7	93.0	94.0
GE 900	36.1	37.2	46.8	55.3	72.5	79.5	83.3	87.5	89.6	91.1	92.5	92.7	92.8	93.0	93.3	94.3
GE 800	36.1	37.2	46.8	55.3	72.5	79.8	83.6	87.8	90.1	91.5	93.2	93.3	93.5	93.7	94.0	95.0
GE 700	36.1	37.2	46.8	55.3	72.5	79.8	83.6	87.8	90.1	91.5	93.2	93.3	93.7	93.8	94.1	95.1
GE 600	36.1	37.2	46.8	55.3	72.5	79.8	83.7	88.0	90.2	91.9	93.5	93.7	94.1	94.3	94.8	95.9
GE 500	36.1	37.2	46.8	55.3	72.5	79.8	83.7	88.0	90.7	92.4	94.1	94.3	94.8	95.0	95.6	96.7
GE 400	36.1	37.2	46.8	55.3	72.5	79.8	83.7	88.0	90.7	92.4	95.0	95.1	95.6	96.1	96.9	98.2
GE 300	36.1	37.2	46.8	55.3	72.5	79.8	83.7	88.0	90.9	92.5	95.1	95.3	95.8	96.3	97.1	98.4
GE 200	36.1	37.2	46.8	55.3	72.5	79.8	83.7	88.0	90.9	92.5	95.1	95.3	95.8	96.3	97.1	99.0
GE 100	36.1	37.2	46.8	55.3	72.5	79.8	83.7	88.0	90.9	92.5	95.1	95.3	95.8	96.3	97.1	100.0
GE 000	36.1	37.2	46.8	55.3	72.5	79.8	83.7	88.0	90.9	92.5	95.1	95.3	95.8	96.3	97.1	100.0

TOTAL NUMBER OF OBSERVATIONS 615

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106530		STATION NAME: GIEBELSTADT AAF GERMANY								PERIOD OF RECORD: OCT 80 - SEP 89								
		LST TO UTC: + 1								MONTH: MAR HOURS: 12-14								
CEILING		VISIBILITY IN METERS																
IN FEET	GE FEET	112	90	80	60	48	40	32	24	20	16	12	10	08	06	04	00	
NO CEIL		13.2	13.4	18.0	20.6	24.5	24.8	25.3	26.0	26.1	26.3	26.3	26.3	26.3	26.3	26.3	26.3	
GE 20000		16.7	17.0	21.9	25.3	29.6	30.1	30.7	31.4	31.5	31.7	31.7	31.7	31.7	31.7	31.7	31.7	31.7
GE 18000		16.8	17.	22.1	25.5	29.7	30.2	30.9	31.5	31.7	31.9	31.9	31.9	31.9	31.9	31.9	31.9	31.9
GE 16000		16.8	17.2	22.1	25.5	29.7	30.2	30.9	31.5	31.7	31.9	31.9	31.9	31.9	31.9	31.9	31.9	31.9
GE 14000		16.8	17.2	22.1	25.5	29.7	30.2	30.9	31.5	31.7	31.9	31.9	31.9	31.9	31.9	31.9	31.9	31.9
GE 12000		17.0	17.6	22.5	26.0	30.2	30.7	31.4	32.0	32.2	32.4	32.4	32.4	32.4	32.4	32.4	32.4	32.4
GE 10000		18.1	18.8	23.9	27.3	31.7	32.2	32.8	33.5	33.7	33.8	33.8	33.8	33.8	33.8	33.8	33.8	33.8
GE 9000		18.6	19.3	24.5	27.9	33.0	33.5	34.2	34.8	35.0	35.1	35.1	35.1	35.1	35.1	35.1	35.1	35.1
GE 8000		22.1	22.7	28.3	31.7	37.6	38.1	38.9	39.5	39.7	39.9	39.9	39.9	40.0	40.0	40.0	40.0	40.0
GE 7000		24.2	24.8	30.9	34.5	41.0	41.5	42.3	43.0	43.1	43.3	43.3	43.3	43.5	43.5	43.5	43.5	43.5
GE 6000		24.2	24.8	30.9	34.5	41.0	41.5	42.3	43.0	43.1	43.3	43.3	43.3	43.5	43.5	43.5	43.5	43.5
GE 5000		26.1	26.8	33.0	36.6	43.3	43.8	44.6	45.3	45.4	45.6	45.6	45.6	45.8	45.8	45.8	45.8	45.8
GE 4500		26.6	27.6	34.2	37.7	44.4	44.9	46.1	46.9	47.1	47.2	47.2	47.2	47.4	47.4	47.4	47.4	47.4
GE 4000		30.9	32.0	38.6	42.5	51.5	52.3	53.4	54.4	54.6	54.9	54.9	54.9	55.1	55.1	55.1	55.1	55.1
GE 3500		35.8	36.9	44.6	48.9	59.0	60.0	61.3	62.4	62.6	62.9	62.9	62.9	63.1	63.1	63.1	63.1	63.1
GE 3000		47.2	48.4	57.8	63.1	75.0	76.6	78.3	79.6	79.7	80.2	80.4	80.6	80.7	80.7	80.7	80.7	80.7
GE 2500		49.2	50.3	60.8	66.3	78.9	80.7	82.4	84.0	84.3	84.8	85.0	85.1	85.3	85.3	85.3	85.3	85.3
GE 2000		51.3	52.6	63.7	69.6	82.7	85.1	86.9	88.9	89.4	90.0	90.4	90.8	91.0	91.0	91.0	91.0	91.0
GE 1800		52.0	53.3	64.4	70.3	83.7	86.1	87.9	89.9	90.4	91.0	91.3	91.8	92.0	92.0	92.0	92.0	92.0
GE 1500		52.9	54.2	65.8	71.7	85.3	87.7	89.7	91.7	92.2	92.8	93.1	93.6	93.8	94.0	94.0	94.0	94.0
GE 1200		53.4	54.7	66.3	72.2	86.1	88.6	90.5	92.6	93.1	93.8	94.1	94.6	94.8	94.9	94.9	94.9	94.9
GE 1000		53.4	54.7	66.3	72.4	86.6	89.2	91.2	93.3	93.8	94.4	94.8	95.3	95.4	95.6	95.6	95.6	95.6
GE 900		53.4	54.7	66.3	72.4	86.6	89.2	91.2	93.3	93.8	94.4	94.8	95.3	95.4	95.6	95.6	95.6	95.6
GE 800		53.4	54.7	66.3	72.4	86.6	89.2	91.2	93.5	94.0	94.6	94.9	95.4	95.6	95.8	95.8	95.8	95.8
GE 700		53.4	54.7	66.3	72.4	86.8	89.5	91.5	93.8	94.4	95.3	95.8	96.2	96.4	96.6	96.6	96.6	96.6
GE 600		53.4	54.7	66.3	72.4	86.8	89.5	91.5	93.8	94.4	95.3	95.9	96.4	96.6	96.7	96.7	96.7	96.7
GE 500		53.4	54.7	66.3	72.4	86.8	89.5	91.5	94.0	94.6	95.4	96.2	96.7	97.1	97.4	97.4	97.4	97.4
GE 400		53.4	54.7	66.3	72.4	86.8	89.5	91.5	94.0	94.6	95.6	96.4	97.7	98.0	98.9	98.9	98.9	98.9
GE 300		53.4	54.7	66.3	72.4	86.8	89.5	91.5	94.0	94.6	95.6	96.4	97.7	98.0	99.0	99.2	99.3	99.3
GE 200		53.4	54.7	66.3	72.4	86.8	89.5	91.5	94.0	94.6	95.6	96.4	97.7	98.0	99.0	99.2	99.5	99.5
GE 100		53.4	54.7	66.3	72.4	86.8	89.5	91.5	94.0	94.6	95.6	96.4	97.7	98.0	99.0	99.3	100.0	100.0
GE 000		53.4	54.7	66.3	72.4	86.8	89.5	91.5	94.0	94.6	95.6	96.4	97.7	98.0	99.0	99.3	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 612

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106530

STATION NAME: GIEBELSTADT AAF GERMANY
LST TO UTC: - 1

PERIOD OF RECORD: OCT 80 - SEP 89
MONTH: MAR HOURS: 15-17

CEILING IN FEET	VISIBILITY IN METERS															
	GE 112	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 08	GE 06	GE 04	GE 00
NO CEIL	18.8	19.3	26.0	28.3	31.1	31.2	32.1	32.1	32.1	32.1	32.1	32.1	32.1	32.1	32.1	32.1
GE 20000	23.8	24.6	31.9	34.4	37.2	37.4	38.2	38.2	38.2	38.2	38.2	38.2	38.2	38.2	38.2	38.2
GE 18000	24.3	25.1	32.6	35.0	37.9	38.0	38.8	38.8	38.8	38.8	38.8	38.8	38.8	38.8	38.8	38.8
GE 16000	24.3	25.1	32.6	35.0	37.9	38.0	38.8	38.8	38.8	38.8	38.8	38.8	38.8	38.8	38.8	38.8
GE 14000	24.3	25.1	32.7	35.2	38.0	38.2	39.0	39.0	39.0	39.0	39.0	39.0	39.0	39.0	39.0	39.0
GE 12000	25.5	26.3	33.9	36.4	39.2	39.3	40.2	40.2	40.2	40.2	40.2	40.2	40.2	40.2	40.2	40.2
GE 10000	26.3	27.1	34.7	37.2	40.5	41.2	42.0	42.5	42.5	42.5	42.5	42.5	42.5	42.5	42.5	42.5
GE 9000	27.4	28.4	36.0	38.7	42.0	42.6	43.5	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0
GE 8000	32.7	34.2	41.8	45.0	49.1	49.9	50.7	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2
GE 7000	34.7	36.2	44.1	47.3	51.6	52.4	53.2	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7
GE 6000	34.	36.2	44.1	47.3	51.6	52.4	53.2	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7
GE 5000	36.2	37.9	46.1	49.3	53.6	54.4	55.2	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7
GE 4500	36.9	38.8	47.1	50.2	54.5	55.4	56.2	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7
GE 4000	39.8	42.0	50.7	54.0	60.8	61.7	62.5	63.1	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6
GE 3500	44.6	46.9	56.5	60.2	67.8	68.6	69.4	70.2	70.7	70.7	70.7	70.7	70.9	70.9	70.9	70.9
GE 3000	54.9	57.5	69.1	73.4	83.5	84.5	85.5	86.4	86.9	86.9	86.9	86.9	87.1	87.1	87.1	87.1
GE 2500	56.4	59.0	71.2	75.9	86.8	87.8	88.8	90.2	90.9	90.9	90.9	90.9	91.1	91.1	91.1	91.1
GE 2000	57.7	60.3	72.7	77.7	89.1	90.6	91.7	94.0	94.7	94.7	94.7	94.7	94.9	95.0	95.4	95.4
GE 1800	58.0	60.8	73.2	78.2	89.6	91.1	92.2	94.5	95.2	95.2	95.4	95.4	95.5	95.7	96.0	96.0
GE 1500	58.5	61.3	73.7	78.7	90.4	91.9	93.1	95.4	96.0	96.0	96.2	96.2	96.4	96.5	96.9	96.9
GE 1200	58.5	61.3	73.7	78.7	90.4	92.1	93.2	95.5	96.2	96.2	96.4	96.4	96.5	96.7	97.0	97.0
GE 1000	58.5	61.3	73.9	78.8	90.6	92.6	93.7	96.0	96.7	96.7	97.0	97.0	97.2	97.4	97.7	97.7
GE 900	58.5	61.3	73.9	78.8	90.6	92.6	93.7	96.2	97.2	97.2	97.5	97.5	97.7	97.9	98.2	98.2
GE 800	58.5	61.3	73.9	78.8	90.6	92.6	93.9	96.5	97.5	97.7	98.0	98.0	98.2	98.3	98.7	98.7
GE 700	58.5	61.3	73.9	78.8	90.6	92.6	93.9	96.5	97.5	97.7	98.0	98.0	98.2	98.3	98.7	98.7
GE 600	58.5	61.3	73.9	78.8	90.6	92.6	93.9	96.5	97.5	97.7	98.2	98.2	98.3	98.5	98.8	98.8
GE 500	58.5	61.3	73.9	78.8	90.6	92.6	93.9	96.5	97.5	97.7	98.2	98.2	98.3	98.5	98.8	98.8
GE 400	58.5	61.3	73.9	78.8	90.6	92.6	93.9	96.5	97.5	97.7	98.2	98.7	98.8	99.0	99.3	99.3
GE 300	58.5	61.3	73.9	78.8	90.6	92.6	93.9	96.5	97.5	97.7	98.3	98.8	99.0	99.2	99.5	99.5
GE 200	58.5	61.3	73.9	78.8	90.6	92.6	93.9	96.5	97.5	97.7	98.3	98.8	99.0	99.2	99.8	99.8
GE 100	58.5	61.3	73.9	78.8	90.6	92.6	93.9	96.5	97.5	97.7	98.3	98.8	99.0	99.2	100.0	100.0
GE 000	58.5	61.3	73.9	78.8	90.6	92.6	93.9	96.5	97.5	97.7	98.3	98.8	99.0	99.2	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 605

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106530 STATION NAME: GIEBELSTADT AAF GERMANY PERIOD OF RECORD: OCT 80 - SEP 89
LST TO UTC: - 1 MONTH: MAR HOURS: 18-20

CEILING IN FEET	VISIBILITY IN METERS																	
	GE 112	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 08	GE 06	GE 04	GE 00		
NO CEIL	23.8	24.6	30.9	33.7	39.2	40.2	40.6	41.0	41.0	41.1	41.5	41.5	41.5	41.5	41.5	41.5	41.5	
GE 20000	29.0	29.9	36.6	39.4	45.0	45.9	46.3	46.7	46.7	46.9	47.4	47.4	47.4	47.4	47.4	47.4	47.4	
GE 18000	30.1	31.0	37.7	40.6	46.1	47.0	47.4	47.8	47.8	48.0	48.6	48.6	48.6	48.6	48.6	48.6	48.6	
GE 16000	30.1	31.0	37.7	40.6	46.1	47.0	47.4	47.8	47.8	48.0	48.6	48.6	48.6	48.6	48.6	48.6	48.6	
GE 14000	30.1	31.2	37.9	40.8	46.3	47.2	47.6	48.0	48.0	48.2	48.8	48.8	48.8	48.8	48.8	48.8	48.8	
GE 12000	31.2	32.4	39.0	41.9	47.4	48.4	48.8	49.1	49.1	49.3	49.9	49.9	49.9	49.9	49.9	49.9	49.9	
GE 10000	31.6	33.0	39.8	42.7	48.2	49.3	50.1	50.7	51.0	51.2	51.8	51.8	51.8	51.8	51.8	51.8	51.8	
GE 9000	33.5	34.9	41.7	44.6	50.5	51.6	52.4	53.0	53.3	53.5	54.1	54.1	54.1	54.1	54.1	54.1	54.1	
GE 8000	36.8	38.1	45.3	48.2	54.7	55.8	57.0	57.7	58.1	58.3	58.9	58.9	58.9	58.9	58.9	58.9	58.9	
GE 7000	37.7	39.2	46.5	49.5	56.4	57.5	58.7	59.4	59.8	60.2	61.1	61.1	61.1	61.1	61.1	61.1	61.1	
GE 6000	37.9	39.4	46.7	49.7	56.6	57.7	58.9	59.6	60.0	60.4	61.3	61.3	61.3	61.3	61.3	61.3	61.3	
GE 5000	39.6	41.3	49.7	53.5	61.0	62.1	63.2	64.0	64.4	64.8	65.7	65.7	65.7	65.7	65.7	65.7	65.7	
GE 4500	41.1	42.9	51.4	55.2	62.7	63.8	65.0	65.7	66.1	66.5	67.4	67.4	67.4	67.4	67.4	67.4	67.4	
GE 4000	44.0	46.1	55.8	60.4	69.5	71.0	72.4	73.5	73.9	75.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	
GE 3500	45.7	48.0	58.1	62.9	72.6	74.5	75.8	77.0	77.3	78.5	79.4	79.4	79.4	79.4	79.4	79.4	79.4	
GE 3000	52.2	54.7	66.7	71.6	82.5	84.6	85.9	87.0	87.4	88.6	89.5	89.5	89.5	89.5	89.5	89.5	89.5	
GE 2500	53.7	56.2	68.6	74.1	85.3	87.8	89.1	90.5	90.9	92.4	93.7	93.7	93.7	93.7	93.7	93.7	93.7	
GE 2000	54.3	56.8	69.1	74.9	86.5	89.7	91.0	92.8	93.5	95.0	96.4	96.4	96.4	96.4	96.4	96.4	96.4	
GE 1800	54.3	56.8	69.1	74.9	86.7	89.9	91.2	93.0	93.7	95.2	96.8	96.8	96.8	96.8	96.8	96.8	96.8	
GE 1500	54.5	57.0	69.3	75.0	87.0	90.3	91.6	93.5	94.5	96.0	97.5	97.5	97.5	97.5	97.5	97.5	97.5	
GE 1200	55.2	57.7	70.1	75.8	88.0	91.4	92.8	94.9	95.8	97.3	98.9	98.9	98.9	98.9	99.0	99.0	99.0	
GE 1000	55.2	57.7	70.1	75.8	88.0	91.4	92.8	94.9	95.8	97.3	98.9	98.9	98.9	99.0	99.0	99.0	99.0	
GE 900	55.2	57.7	70.1	75.8	88.0	91.4	92.8	94.9	95.8	97.3	98.9	98.9	98.9	99.0	99.0	99.0	99.0	
GE 800	55.2	57.7	70.1	75.8	88.0	91.4	92.8	94.9	95.8	97.3	98.9	98.9	98.9	99.0	99.0	99.0	99.0	
GE 700	55.2	57.7	70.1	75.8	88.0	91.4	92.8	94.9	95.8	97.3	98.9	98.9	98.9	99.0	99.0	99.0	99.0	
GE 600	55.2	57.7	70.1	75.8	88.0	91.4	92.8	94.9	95.8	97.3	98.9	98.9	98.9	99.0	99.0	99.0	99.0	
GE 500	55.2	57.7	70.1	75.8	88.0	91.4	92.8	94.9	95.8	97.3	98.9	98.9	98.9	99.0	99.0	99.0	99.0	
GE 400	55.2	57.7	70.1	75.8	88.0	91.4	92.8	94.9	95.8	97.3	98.9	99.2	99.2	99.4	99.4	99.4	99.4	
GE 300	55.2	57.7	70.1	75.8	88.0	91.4	92.8	94.9	95.8	97.3	98.9	99.2	99.4	99.6	99.6	99.6	99.6	
GE 200	55.2	57.7	70.1	75.8	88.0	91.4	92.8	94.9	95.8	97.3	98.9	99.2	99.4	99.6	99.6	99.6	99.6	
GE 100	55.2	57.7	70.1	75.8	88.0	91.4	92.8	94.9	95.8	97.3	98.9	99.2	99.4	99.6	99.6	99.6	100.0	
GE 000	55.2	57.7	70.1	75.8	88.0	91.4	92.8	94.9	95.8	97.3	98.9	99.2	99.4	99.6	99.6	99.6	100.0	

TOTAL NUMBER OF OBSERVATIONS 525

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106530

STATION NAME: GIEBELSTADT AAF GERMANY
LST TO UTC: - 1

PERIOD OF RECORD: OCT 80 - SEP 89
MONTH: MAR HOURS: 21-23

CEILING IN FEET	VISIBILITY IN METERS															
	GE 112	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 08	GE 06	GE 04	GE 00
NO CEIL	29.7	31.2	37.6	39.4	47.3	48.7	49.5	49.5	49.5	49.5	49.8	49.8	49.8	49.8	49.8	49.8
GE 20000	34.1	35.5	42.7	44.4	52.3	53.8	54.5	54.5	54.5	54.5	54.8	54.8	54.8	54.8	54.8	54.8
GE 18000	34.4	35.8	43.0	44.8	52.7	54.1	54.8	54.8	54.8	54.8	55.2	55.2	55.2	55.2	55.2	55.2
GE 16000	34.4	35.8	43.0	44.8	52.7	54.1	54.8	54.8	54.8	54.8	55.2	55.2	55.2	55.2	55.2	55.2
GE 14000	34.4	35.8	43.0	44.8	52.7	54.1	54.8	54.8	54.8	54.8	55.2	55.2	55.2	55.2	55.2	55.2
GE 12000	34.8	36.6	43.7	45.5	53.4	54.8	55.6	55.6	55.6	55.6	55.9	55.9	55.9	55.9	55.9	55.9
GE 10000	35.5	37.3	45.2	47.0	54.8	56.3	57.7	57.7	57.7	57.7	58.1	58.1	58.1	58.1	58.1	58.1
GE 9000	37.6	39.4	47.3	49.1	57.3	58.8	60.2	60.2	60.2	60.2	60.6	60.6	60.6	60.6	60.6	60.6
GE 8000	39.8	42.3	50.5	52.3	60.6	62.4	63.8	63.8	63.8	63.8	64.2	64.2	64.2	64.2	64.2	64.2
GE 7000	40.9	43.4	51.6	53.4	61.6	63.8	65.2	65.6	65.6	65.6	65.9	65.9	65.9	65.9	65.9	65.9
GE 6000	41.6	44.1	52.3	54.1	62.4	64.5	65.9	66.3	66.3	66.7	66.7	66.7	66.7	66.7	66.7	66.7
GE 5000	43.0	45.5	53.8	55.6	65.2	67.7	69.2	69.5	69.5	69.5	69.9	69.9	69.9	69.9	69.9	69.9
GE 4500	44.8	47.3	55.6	57.3	67.0	69.5	71.0	71.3	71.3	71.3	71.7	71.7	71.7	71.7	71.7	71.7
GE 4000	47.0	49.5	57.7	60.6	71.3	74.2	75.6	76.0	76.0	76.0	76.3	76.3	76.3	76.3	76.3	76.3
GE 3500	48.4	50.9	59.1	62.0	72.8	75.6	77.1	77.4	77.4	77.4	77.8	77.8	77.8	77.8	77.8	77.8
GE 3000	54.1	56.6	65.6	68.5	80.6	83.9	86.0	86.4	86.4	86.4	86.7	86.7	86.7	86.7	86.7	86.7
GE 2500	56.6	59.5	68.8	72.4	84.9	88.9	91.0	91.4	92.1	92.1	92.5	92.5	92.5	92.5	92.5	92.5
GE 2000	56.6	59.5	68.8	72.8	86.0	91.0	93.2	93.5	94.6	94.6	95.7	95.7	95.7	95.7	95.7	95.7
GE 1800	56.6	59.5	68.8	72.8	86.0	91.0	93.2	93.5	94.6	94.6	95.7	95.7	95.7	95.7	95.7	95.7
GE 1500	57.3	60.2	69.5	73.5	87.1	92.1	94.3	95.0	96.1	96.1	97.1	97.1	97.1	97.1	97.1	97.1
GE 1200	57.7	60.6	69.9	74.2	87.8	93.2	95.3	96.1	97.1	97.5	98.6	98.6	98.6	98.6	98.6	98.6
GE 1000	58.1	61.3	70.6	74.9	88.5	93.9	96.1	96.8	97.8	98.2	99.3	99.3	99.3	99.3	99.3	99.3
GE 900	58.1	61.3	70.6	74.9	88.5	93.9	96.1	96.8	97.8	98.2	99.3	99.3	99.3	99.3	99.3	99.3
GE 800	58.1	61.3	70.6	74.9	88.5	93.9	96.1	96.8	97.8	98.2	99.3	99.3	99.3	99.3	99.3	99.3
GE 700	58.1	61.3	70.6	74.9	88.5	93.9	96.1	96.8	97.8	98.2	99.3	99.3	99.3	99.3	99.3	99.3
GE 600	58.1	61.3	70.6	74.9	88.5	93.9	96.1	96.8	97.8	98.2	99.3	99.3	99.3	99.3	99.3	99.3
GE 500	58.1	61.3	70.6	74.9	88.5	93.9	96.1	96.8	97.8	98.2	99.3	99.3	99.3	99.3	99.3	99.3
GE 400	58.1	61.3	70.6	74.9	88.5	93.9	96.1	96.8	97.8	98.2	99.6	100.0	100.0	100.0	100.0	100.0
GE 300	58.1	61.3	70.6	74.9	88.5	93.9	96.1	96.8	97.8	98.2	99.6	100.0	100.0	100.0	100.0	100.0
GE 200	58.1	61.3	70.6	74.9	88.5	93.9	96.1	96.8	97.8	98.2	99.6	100.0	100.0	100.0	100.0	100.0
GE 100	58.1	61.3	70.6	74.9	88.5	93.9	96.1	96.8	97.8	98.2	99.6	100.0	100.0	100.0	100.0	100.0
GE 000	58.1	61.3	70.6	74.9	88.5	93.9	96.1	96.8	97.8	98.2	99.6	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 279

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106530 STATION NAME: GIEBELSTADT AAF GERMANY PERIOD OF RECORD: OCT 80 - SEP 89
LST TO UTC: - 1 MONTH: MAR HOURS: ALL

CEILING IN FEET	VISIBILITY IN METERS															
	GE 112	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 08	GE 06	GE 04	GE 00
NO CEIL	15.5	15.9	20.7	23.0	28.2	29.5	30.5	31.0	31.3	31.5	31.9	31.9	31.9	32.0	32.0	32.3
GE 20000	19.1	19.7	25.1	27.7	33.2	34.6	35.6	36.2	36.5	36.7	37.1	37.1	37.1	37.2	37.3	37.6
GE 18000	19.5	20.1	25.4	28.1	33.6	35.0	36.0	36.6	36.9	37.1	37.5	37.5	37.6	37.6	37.7	38.0
GE 16000	19.5	20.1	25.4	28.1	33.7	35.1	36.1	36.6	37.0	37.2	37.6	37.6	37.6	37.7	37.8	38.0
GE 14000	19.5	20.2	25.5	28.2	33.9	35.2	36.2	36.8	37.2	37.4	37.8	37.8	37.8	37.9	38.0	38.2
GE 12000	20.1	20.9	26.4	29.0	34.7	36.1	37.1	37.7	38.2	38.4	38.8	38.8	38.9	38.9	39.0	39.3
GE 10000	20.9	21.8	27.4	30.1	36.0	37.6	38.8	39.5	40.0	40.2	40.6	40.7	40.7	40.7	40.8	41.1
GE 9000	22.2	23.0	28.8	31.6	37.8	39.4	40.6	41.3	41.8	42.0	42.5	42.5	42.5	42.6	42.7	43.0
GE 8000	25.4	26.4	32.6	35.6	42.3	44.0	45.3	46.1	46.7	47.0	47.5	47.5	47.6	47.6	47.7	48.1
GE 7000	27.0	28.1	34.5	37.7	44.8	46.5	47.9	48.8	49.3	49.6	50.2	50.2	50.3	50.4	50.5	50.8
GE 6000	27.3	28.3	34.8	37.9	45.1	46.8	48.2	49.1	49.6	50.0	50.5	50.6	50.6	50.7	50.8	51.1
GE 5000	29.1	30.2	37.0	40.5	48.1	50.0	51.6	52.5	53.1	53.4	54.0	54.0	54.1	54.1	54.3	54.6
GE 4500	30.3	31.5	38.6	42.2	50.0	52.1	53.8	54.9	55.5	55.8	56.4	56.4	56.5	56.5	56.7	57.0
GE 4000	33.4	35.0	42.5	46.6	56.1	58.8	60.7	62.0	62.7	63.3	63.9	63.9	64.0	64.1	64.2	64.5
GE 3500	36.7	38.3	46.4	50.9	61.1	64.0	66.2	67.7	68.5	69.0	69.7	69.7	69.8	69.9	70.0	70.3
GE 3000	44.3	46.0	55.5	60.5	72.1	75.6	78.1	79.9	80.7	81.5	82.3	82.3	82.4	82.5	82.7	83.0
GE 2500	45.7	47.5	57.5	62.8	75.2	79.0	81.5	83.7	84.6	85.4	86.3	86.4	86.5	86.6	86.7	87.0
GE 2000	46.9	48.7	59.2	65.0	78.0	82.4	85.0	87.7	88.9	89.9	91.1	91.2	91.3	91.5	91.7	92.0
GE 1800	47.0	48.9	59.4	65.3	78.4	82.9	85.5	88.2	89.4	90.4	91.7	91.9	92.0	92.1	92.3	92.6
GE 1500	47.5	49.4	60.1	66.0	79.7	84.2	86.9	89.7	90.9	91.9	93.2	93.4	93.5	93.6	93.8	94.1
GE 1200	47.8	49.7	60.5	66.4	80.4	85.0	87.7	90.5	91.9	92.9	94.3	94.5	94.6	94.8	95.0	95.3
GE 1000	47.9	49.8	60.6	66.6	80.9	85.7	88.5	91.4	92.7	93.8	95.2	95.4	95.5	95.7	95.9	96.2
GE 900	47.9	49.8	60.6	66.6	80.9	85.7	88.5	91.5	92.9	94.0	95.4	95.6	95.7	95.9	96.1	96.4
GE 800	47.9	49.8	60.6	66.6	80.9	85.8	88.6	91.6	93.1	94.2	95.7	95.9	96.0	96.2	96.4	96.7
GE 700	47.9	49.8	60.6	66.6	81.0	85.9	88.7	91.7	93.2	94.3	95.9	96.1	96.2	96.5	96.6	97.0
GE 600	47.9	49.8	60.6	66.6	81.0	85.9	88.7	91.7	93.2	94.4	96.0	96.2	96.4	96.6	96.8	97.2
GE 500	47.9	49.8	60.6	66.7	81.0	85.9	88.8	91.8	93.4	94.6	96.2	96.5	96.7	96.9	97.2	97.6
GE 400	47.9	49.8	60.6	66.7	81.0	85.9	88.8	91.8	93.4	94.6	96.5	97.1	97.3	97.7	98.0	98.4
GE 300	47.9	49.8	60.6	66.7	81.0	86.0	88.8	91.9	93.5	94.7	96.6	97.2	97.4	97.9	98.2	98.7
GE 200	47.9	49.8	60.6	66.7	81.0	86.0	88.8	91.9	93.5	94.7	96.7	97.3	97.5	98.0	98.4	99.3
GE 100	47.9	49.8	60.6	66.7	81.0	86.0	88.8	91.9	93.5	94.7	96.7	97.3	97.5	98.0	98.5	100.0
GE 000	47.9	49.8	60.6	66.7	81.0	86.0	88.8	91.9	93.5	94.7	96.7	97.3	97.5	98.0	98.5	100.0

TOTAL NUMBER OF OBSERVATIONS 3161

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106530

STATION NAME: GIEBELSTADT AAF GERMANY

PERIOD OF RECORD: OCT 80 - SEP 89

LST TO UTC: + 1

MONTH: APR HOURS: 06-08

CEILING IN FEET	VISIBILITY IN METERS															
	GE 112	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 08	GE 06	GE 04	GE 00
NO CEIL	19.5	19.6	28.1	29.1	36.8	39.6	40.4	40.9	40.9	40.9	40.9	40.9	40.9	40.9	40.9	41.6
GE 20000	22.3	22.5	31.4	32.8	41.2	44.7	45.4	46.1	46.5	46.5	46.5	46.5	46.5	46.5	46.5	47.2
GE 18000	23.0	23.2	32.1	33.5	42.1	45.6	46.3	47.0	47.4	47.4	47.4	47.4	47.4	47.4	47.4	48.1
GE 16000	23.0	23.2	32.1	33.5	42.1	45.6	46.3	47.0	47.4	47.4	47.4	47.4	47.4	47.4	47.4	48.1
GE 14000	23.2	23.3	32.3	33.7	42.3	45.8	46.5	47.4	47.7	47.7	47.7	47.7	47.7	47.7	47.7	48.4
GE 12000	24.7	24.9	34.0	35.6	44.2	47.9	48.6	49.5	49.8	49.8	49.8	49.8	49.8	49.8	49.8	50.5
GE 10000	25.6	26.0	35.3	37.0	46.1	49.8	50.5	51.4	51.8	51.8	51.8	51.8	51.8	51.8	51.8	52.5
GE 9000	27.0	27.4	37.4	39.5	48.9	52.6	53.7	54.6	54.9	54.9	54.9	54.9	54.9	54.9	54.9	55.8
GE 8000	28.9	29.3	40.7	43.5	53.7	57.4	58.4	59.3	59.8	59.8	59.8	59.8	59.8	59.8	59.8	60.7
GE 7000	31.4	31.8	43.2	46.1	57.4	61.8	62.8	63.7	64.2	64.2	64.7	64.7	64.7	64.7	64.7	65.6
GE 6000	31.6	31.9	43.3	46.3	57.7	62.1	63.2	64.0	64.9	64.9	65.4	65.4	65.4	65.4	65.4	66.3
GE 5000	32.3	33.3	45.1	48.1	60.7	66.1	67.2	68.1	69.1	69.1	69.6	69.6	69.6	69.6	69.6	70.5
GE 4500	32.8	34.0	45.8	48.8	61.6	67.0	68.1	69.1	70.2	70.2	70.7	70.7	70.7	70.7	70.7	71.6
GE 4000	34.4	35.6	48.1	51.4	66.0	71.9	73.0	74.4	75.4	75.4	76.0	76.0	76.0	76.0	76.3	77.4
GE 3500	35.4	36.8	49.6	53.3	68.2	74.9	76.1	77.5	78.6	78.6	79.3	79.3	79.3	79.6	79.6	80.7
GE 3000	37.0	38.8	51.6	56.0	71.6	78.6	79.8	81.2	82.3	82.5	83.7	83.7	83.7	84.0	84.0	85.1
GE 2500	37.4	39.1	51.9	56.3	72.1	79.6	80.9	82.3	83.3	83.5	85.1	85.1	85.3	85.6	85.6	86.7
GE 2000	37.5	39.5	52.3	56.7	72.6	80.7	81.9	83.7	84.7	84.9	86.5	86.5	86.7	87.0	87.0	88.1
GE 1800	37.7	39.6	52.5	56.8	72.8	80.9	82.1	83.9	84.9	85.1	86.7	86.7	86.8	87.2	87.2	88.2
GE 1500	37.9	40.0	52.8	57.5	74.0	82.5	84.0	86.0	87.2	87.4	88.9	88.9	89.1	89.5	89.5	90.5
GE 1200	37.9	40.0	52.8	57.5	74.6	83.3	85.4	87.5	89.1	89.3	90.9	90.9	91.1	91.4	91.4	92.5
GE 1000	37.9	40.0	53.7	58.4	75.8	84.6	86.7	88.8	90.7	90.9	92.5	92.6	92.8	93.2	93.2	94.2
GE 900	37.9	40.0	53.7	58.6	76.5	85.4	87.5	89.6	91.6	91.8	93.3	93.5	93.7	94.0	94.0	95.1
GE 800	37.9	40.0	53.7	58.6	76.7	85.6	87.7	89.8	91.8	91.9	93.5	93.7	93.9	94.2	94.2	95.3
GE 700	37.9	40.0	53.7	58.6	76.7	85.8	87.9	90.0	91.9	92.1	93.7	93.9	94.0	94.4	94.4	95.4
GE 600	37.9	40.0	53.7	58.6	77.0	86.1	88.6	90.7	92.6	92.8	94.4	94.6	94.7	95.1	95.1	96.1
GE 500	37.9	40.0	53.7	58.6	77.5	86.7	89.3	91.6	93.5	93.7	95.3	95.4	95.6	96.0	96.0	97.0
GE 400	37.9	40.0	53.7	58.6	77.5	86.7	89.5	91.8	93.7	93.9	95.4	95.8	96.1	96.5	96.5	98.1
GE 300	37.9	40.0	53.7	58.6	77.5	86.8	89.8	92.1	94.0	94.4	96.0	96.3	96.8	97.2	97.2	98.9
GE 200	37.9	40.0	53.7	58.6	77.5	86.8	89.8	92.1	94.0	94.4	96.0	96.3	97.0	97.4	97.4	99.5
GE 100	37.9	40.0	53.7	58.6	77.5	86.8	89.8	92.1	94.0	94.4	96.0	96.3	97.0	97.4	97.4	99.8
GE 000	37.9	4.0	53.7	58.6	77.5	86.8	89.8	92.1	94.0	94.4	96.0	96.3	97.0	97.4	97.4	100.0

TOTAL NUMBER OF OBSERVATIONS 570

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

**PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS**

STATION NUMBER: 106530 STATION NAME: GIEBELSTADT AAF GERMANY PERIOD OF RECORD: OCT 80 - SEP 89
LST TO UTC: - 1 MONTH: APR HOURS: 09-11

CEILING IN FEET	VISIBILITY IN METERS															
	GE 112	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 08	GE 06	GE 04	GE 00
NO CEIL	24.0	24.9	30.9	34.2	40.4	40.9	40.9	40.9	40.9	40.9	40.9	40.9	40.9	40.9	41.1	41.1
GE 20000	27.5	28.4	36.0	39.5	46.0	46.6	46.7	46.9	46.9	46.9	46.9	46.9	46.9	46.9	47.1	47.1
GE 18000	27.7	28.6	36.2	39.7	46.4	46.9	47.1	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.4	47.4
GE 16000	27.7	28.6	36.2	39.7	46.4	46.9	47.1	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.4	47.4
GE 14000	27.7	28.6	36.2	39.7	46.4	46.9	47.1	47.6	47.6	47.6	47.6	47.6	47.6	47.6	47.8	47.8
GE 12000	27.9	28.7	36.3	39.9	46.6	47.1	47.3	47.8	47.8	47.8	47.8	47.8	47.8	48.0	48.0	48.0
GE 10000	29.3	30.2	38.3	41.8	48.7	49.2	49.4	49.9	49.9	49.9	49.9	49.9	49.9	49.9	50.1	50.1
GE 9000	30.5	31.4	39.9	43.6	50.6	51.1	51.3	51.9	51.9	51.9	51.9	51.9	51.9	51.9	52.0	52.0
GE 8000	32.5	33.3	42.3	46.9	54.9	55.7	55.9	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.6	56.6
GE 7000	34.7	35.6	45.7	50.3	58.9	60.0	60.1	60.7	60.7	60.7	60.8	61.0	61.0	61.0	61.2	61.2
GE 6000	34.9	36.0	46.0	50.6	59.3	60.3	60.5	61.0	61.0	61.0	61.2	61.4	61.4	61.4	61.6	61.6
GE 5000	36.3	37.6	48.9	53.4	63.0	64.0	64.2	64.7	64.7	64.7	65.1	65.3	65.3	65.3	65.4	65.4
GE 4500	37.2	38.4	49.7	54.5	64.2	65.3	65.4	66.0	66.0	66.0	66.5	66.7	66.7	66.7	66.8	66.8
GE 4000	40.6	42.0	53.3	58.4	68.6	69.8	70.0	70.5	70.5	70.7	71.4	71.6	71.6	71.6	71.8	71.8
GE 3500	43.0	44.4	55.9	61.0	71.6	72.8	73.0	73.5	73.5	73.7	74.4	74.6	74.6	74.6	74.8	74.8
GE 3000	48.1	50.3	62.4	68.6	79.9	81.3	81.7	82.2	82.2	82.4	83.1	83.2	83.6	83.6	83.8	83.8
GE 2500	48.5	50.6	63.0	69.1	80.4	82.4	83.1	83.6	83.6	84.0	84.8	85.0	85.5	85.5	85.7	85.7
GE 2000	48.9	51.0	63.5	69.8	81.5	84.0	85.4	86.1	86.2	86.6	87.5	87.7	88.2	88.2	88.4	88.4
GE 1800	49.2	51.3	63.8	70.2	81.8	84.3	85.7	86.4	86.6	86.9	87.8	88.0	88.5	88.5	88.7	88.7
GE 1500	50.3	52.4	65.1	72.0	84.3	87.1	88.5	89.2	89.4	89.8	90.7	90.8	91.4	91.4	91.5	91.5
GE 1200	51.3	53.4	66.5	73.9	86.2	89.4	91.0	91.7	91.9	92.2	93.1	93.3	93.8	93.8	94.0	94.0
GE 1000	51.5	53.8	67.2	74.6	86.9	90.1	91.7	92.4	92.6	92.9	93.8	94.0	94.5	94.5	94.7	94.7
GE 900	51.5	53.8	67.7	75.5	88.0	91.2	92.8	93.5	93.7	94.0	94.9	95.1	95.6	95.6	95.8	95.8
GE 800	51.5	53.8	67.7	75.5	88.2	91.4	93.1	93.8	94.2	94.5	95.4	95.6	96.1	96.1	96.3	96.3
GE 700	51.5	53.8	67.9	75.7	88.4	91.7	93.5	94.2	94.5	94.9	95.8	95.9	96.5	96.5	96.6	96.6
GE 600	51.5	53.8	68.6	76.4	89.1	92.4	94.4	95.1	95.6	95.9	96.8	97.0	97.5	97.5	97.9	97.9
GE 500	51.5	53.8	68.6	76.4	89.4	92.8	94.7	95.4	95.9	96.3	97.2	97.4	97.9	97.9	98.4	98.4
GE 400	51.5	53.8	68.6	76.4	89.4	92.8	94.7	95.4	95.9	96.3	97.4	97.9	98.4	98.4	98.9	99.3
GE 300	51.5	53.8	68.6	76.4	89.4	92.9	94.9	95.6	96.1	96.5	97.5	98.1	98.6	98.8	99.3	99.6
GE 200	51.5	53.8	68.6	76.4	89.4	92.9	94.9	95.6	96.1	96.5	97.5	98.1	98.6	98.8	99.3	99.6
GE 100	51.5	53.8	68.6	76.4	89.4	92.9	94.9	95.6	96.1	96.5	97.5	98.1	98.6	98.8	99.3	100.0
GE 000	51.5	53.8	68.6	76.4	89.4	92.9	94.9	95.6	96.1	96.5	97.5	98.1	98.6	98.8	99.3	100.0

TOTAL NUMBER OF OBSERVATIONS 567

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106530 STATION NAME: GIEBELSTADT AAF GERMANY PERIOD OF RECORD: OCT 80 - SEP 89
LST TO UTC: - 1 MONTH: APR HOURS: 12-14

CEILING IN FEET	VISIBILITY IN METERS																	
	GE 112	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 08	GE 06	GE 04	GE 00		
NO CEIL	28.8	29.5	34.1	36.1	39.1	39.3	39.4	39.8	39.8	39.8	39.8	40.0	40.0	40.0	40.0	40.0	40.0	
GE 20000	33.7	34.6	40.1	42.3	45.3	45.5	45.6	46.0	46.0	46.0	46.0	46.2	46.2	46.2	46.2	46.2	46.2	
GE 18000	33.9	34.8	40.7	42.8	45.8	46.0	46.2	46.5	46.5	46.5	46.5	46.7	46.7	46.7	46.7	46.7	46.7	
GE 16000	33.9	34.8	40.7	42.8	45.8	46.0	46.2	46.5	46.5	46.5	46.5	46.7	46.7	46.7	46.7	46.7	46.7	
GE 14000	33.9	34.8	41.0	43.2	46.4	46.5	46.7	47.1	47.1	47.1	47.1	47.2	47.2	47.2	47.2	47.2	47.2	
GE 12000	33.9	34.8	41.0	43.3	46.5	46.7	46.9	47.2	47.2	47.2	47.2	47.4	47.4	47.4	47.4	47.4	47.4	
GE 10000	35.2	36.1	42.8	45.1	48.5	48.7	48.8	49.2	49.2	49.2	49.2	49.4	49.4	49.4	49.4	49.4	49.4	
GE 9000	36.2	37.1	44.6	47.1	50.6	50.8	51.0	51.3	51.3	51.3	51.3	51.5	51.5	51.5	51.5	51.5	51.5	
GE 8000	39.3	40.3	48.5	51.2	55.2	55.4	55.6	56.0	56.0	56.0	56.0	56.1	56.1	56.1	56.1	56.1	56.1	
GE 7000	39.6	40.9	49.7	52.4	56.8	57.0	57.2	57.5	57.5	57.5	57.5	57.7	57.7	57.7	57.7	57.7	57.7	
GE 6000	40.0	41.2	50.1	52.8	57.2	57.4	57.5	57.9	57.9	57.9	57.9	58.1	58.1	58.1	58.1	58.1	58.1	
GE 5000	41.9	43.3	52.8	56.0	60.4	60.6	60.7	61.1	61.1	61.1	61.1	61.3	61.3	61.3	61.3	61.3	61.3	
GE 4500	42.8	44.2	54.2	57.5	62.0	62.2	62.3	62.7	62.7	62.7	62.7	62.9	62.9	62.9	62.9	62.9	62.9	
GE 4000	46.4	48.0	58.3	62.0	66.8	67.0	67.1	67.7	67.7	67.7	67.9	68.0	68.0	68.0	68.0	68.0	68.0	
GE 3500	49.4	51.3	62.7	67.1	72.1	72.3	72.5	73.2	73.2	73.2	73.7	73.7	73.9	73.9	73.9	73.9	73.9	
GE 3000	59.5	61.5	74.8	79.4	84.7	85.1	85.3	86.0	86.0	86.5	86.5	86.7	86.7	86.7	86.7	86.7	86.7	
GE 2500	60.2	62.2	76.0	81.3	87.2	87.6	87.7	88.5	88.5	89.2	89.2	89.3	89.3	89.3	89.3	89.3	89.3	
GE 2000	62.5	64.8	78.9	84.4	90.8	91.5	91.8	92.5	92.5	93.3	93.3	93.4	93.4	93.4	93.4	93.4	93.4	
GE 1800	62.5	64.8	78.9	84.4	90.8	91.5	91.8	92.5	92.5	93.3	93.3	93.4	93.4	93.4	93.4	93.4	93.4	
GE 1500	63.8	66.1	80.5	86.0	92.7	93.8	94.1	94.8	94.8	95.6	95.6	95.7	95.7	95.7	95.7	95.7	95.7	
GE 1200	63.8	66.1	81.3	87.2	94.3	95.7	96.1	97.0	97.0	97.7	97.7	97.9	97.9	97.9	97.9	97.9	97.9	
GE 1000	63.8	66.1	81.5	87.6	94.8	96.3	96.6	97.5	97.5	98.2	98.2	98.4	98.4	98.4	98.4	98.4	98.4	
GE 900	63.8	66.1	81.5	87.6	94.8	96.3	96.6	97.5	97.5	98.2	98.2	98.4	98.4	98.4	98.4	98.4	98.4	
GE 800	63.8	66.1	81.9	88.1	95.6	97.0	97.3	98.2	98.2	99.1	99.1	99.3	99.3	99.3	99.3	99.3	99.3	
GE 700	63.8	66.1	81.9	88.1	95.6	97.2	97.7	98.6	98.6	99.5	99.5	99.6	99.6	99.6	99.6	99.6	99.6	
GE 600	63.8	66.1	81.9	88.1	95.6	97.3	97.9	98.9	98.9	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	
GE 500	63.8	66.1	81.9	88.1	95.6	97.3	97.9	98.9	98.9	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	
GE 400	63.8	66.1	81.9	88.1	95.6	97.3	97.9	98.9	98.9	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	
GE 300	63.8	66.1	81.9	88.1	95.6	97.3	97.9	98.9	98.9	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	
GE 200	63.8	66.1	81.9	88.1	95.6	97.3	97.9	98.9	98.9	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	
GE 100	63.8	66.1	81.9	88.1	95.6	97.3	97.9	98.9	98.9	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	
GE 000	63.8	66.1	81.9	88.1	95.6	97.3	97.9	98.9	98.9	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	

TOTAL NUMBER OF OBSERVATIONS 563

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106530 STATION NAME: GIEBELSTADT AAF GERMANY PERIOD OF RECORD: OCT 80 - SEP 89
LST TO UTC: - 1 MONTH: APR HOURS: 15-17

CEILING IN FEET	VISIBILITY IN METERS															
	GE 112	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 08	GE 06	GE 04	GE 00
NO CEIL	33.0	34.3	36.7	37.8	39.3	39.5	39.5	39.7	39.7	39.7	39.7	39.7	39.7	39.7	39.7	39.7
GE 20000	39.5	40.8	43.8	44.9	46.4	46.6	46.6	46.9	46.9	46.9	46.9	46.9	46.9	46.9	46.9	46.9
GE 18000	40.4	41.7	44.9	46.0	47.5	47.7	47.7	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1
GE 16000	40.4	41.7	44.9	46.0	47.5	47.7	47.7	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1
GE 14000	40.6	41.9	45.1	46.2	48.1	48.2	48.2	48.6	48.6	48.6	48.6	48.6	48.6	48.6	48.6	48.6
GE 12000	41.2	42.5	45.8	47.1	49.0	49.2	49.2	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5
GE 10000	44.2	45.5	49.2	50.5	52.3	52.5	52.5	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9
GE 9000	44.5	45.8	49.5	50.8	52.7	52.9	52.9	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2
GE 8000	48.1	49.5	54.9	56.4	58.3	58.4	58.4	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8
GE 7000	49.4	50.8	56.8	58.4	60.5	60.7	60.7	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0
GE 6000	49.9	51.4	57.3	59.0	61.0	61.2	61.2	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6
GE 5000	54.0	55.7	62.2	64.0	66.0	66.2	66.2	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.6
GE 4500	55.5	57.5	64.2	66.2	68.8	69.0	69.0	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4
GE 4000	60.3	62.7	69.8	72.0	75.0	75.1	75.1	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5
GE 3500	63.8	66.4	74.6	77.4	80.7	81.1	81.3	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0
GE 3000	68.5	71.2	80.0	83.5	87.4	87.8	88.1	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9
GE 2500	69.0	71.8	80.9	84.6	89.4	90.0	90.4	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1
GE 2000	70.5	73.3	83.7	87.8	93.5	94.2	94.6	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4
GE 1800	70.5	73.3	83.7	87.9	93.7	94.4	94.8	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5
GE 1500	70.5	73.3	83.9	88.3	94.4	95.5	95.9	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7
GE 1200	71.1	73.8	84.4	89.6	96.1	97.8	98.3	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
GE 1000	71.1	73.8	84.6	89.8	96.5	98.1	98.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
GE 900	71.1	73.8	84.6	89.8	96.5	98.1	98.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
GE 800	71.1	73.8	84.6	89.8	96.5	98.1	98.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
GE 700	71.1	73.8	84.6	89.8	96.5	98.1	98.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
GE 600	71.1	73.8	84.6	89.8	96.5	98.1	98.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
GE 500	71.1	73.8	84.6	89.8	96.5	98.1	98.7	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 400	71.1	73.8	84.6	89.8	96.5	98.1	98.7	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 300	71.1	73.8	84.6	89.8	96.5	98.1	98.7	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 200	71.1	73.8	84.6	89.8	96.5	98.1	98.7	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 100	71.1	73.8	84.6	89.8	96.5	98.1	98.7	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 000	71.1	73.8	84.6	89.8	96.5	98.1	98.7	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 539

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106530		STATION NAME: GIEBELSTADT AAF GERMANY		PERIOD OF RECORD: OCT 80 - SEP 89															
		LST TO UTC: - 1		MONTH: APR								HOURS: 18-20							
CEILING		VISIBILITY IN METERS																	
IN	FEET	GE 112	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 08	GE 06	GE 04	GE 00		
NO CEIL		36.8	37.5	40.6	41.7	44.3	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5		
GE 20000		40.4	41.2	45.4	46.5	49.3	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6		
GE 18000		41.2	42.1	46.5	47.6	50.4	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7		
GE 16000		41.2	42.1	46.5	47.6	50.4	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7		
GE 14000		41.4	42.3	46.7	47.8	50.7	50.9	50.9	50.9	50.9	50.9	50.9	50.9	50.9	50.9	50.9	50.9		
GE 12000		42.8	43.6	48.2	49.3	52.2	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4		
GE 10000		45.4	46.5	52.0	53.1	56.1	56.4	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6		
GE 9000		45.8	46.9	52.6	53.7	57.0	57.2	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5		
GE 8000		50.9	52.0	58.3	59.6	62.9	63.2	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4		
GE 7000		53.3	54.4	61.0	62.5	66.4	66.7	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9		
GE 6000		53.9	55.0	61.6	63.2	67.1	67.3	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5		
GE 5000		57.7	59.0	66.0	68.2	72.4	73.0	73.2	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5		
GE 4500		59.2	61.0	68.4	70.8	75.2	75.9	76.1	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3		
GE 4000		62.3	64.0	72.6	75.0	81.1	82.0	82.2	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5		
GE 3500		65.1	66.9	75.7	78.1	84.6	85.7	86.0	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2		
GE 3000		67.5	69.3	78.9	81.8	89.9	91.0	91.2	91.9	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1		
GE 2500		68.0	69.7	79.8	82.9	91.2	92.3	92.5	93.2	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4		
GE 2000		69.5	71.3	81.8	84.9	93.2	94.7	95.2	95.8	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1		
GE 1800		69.5	71.3	81.8	84.9	93.4	95.0	95.4	96.1	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3		
GE 1500		69.5	71.3	81.8	85.1	93.9	95.6	96.3	97.1	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6		
GE 1200		70.2	71.9	82.5	85.7	94.7	96.5	97.4	98.9	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3		
GE 1000		70.2	71.9	82.5	85.7	94.7	96.5	97.4	98.9	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3		
GE 900		70.2	71.9	82.5	85.7	94.7	96.5	97.4	98.9	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3		
GE 800		70.2	71.9	82.5	85.7	94.7	96.5	97.4	98.9	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3		
GE 700		70.2	71.9	82.5	85.7	94.7	96.5	97.4	98.9	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3		
GE 600		70.2	71.9	82.5	85.7	94.7	96.5	97.4	98.9	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3		
GE 500		70.2	71.9	82.5	85.7	94.7	96.5	97.4	98.9	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0		
GE 400		70.2	71.9	82.5	85.7	94.7	96.5	97.4	98.9	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0		
GE 300		70.2	71.9	82.5	85.7	94.7	96.5	97.4	98.9	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0		
GE 200		70.2	71.9	82.5	85.7	94.7	96.5	97.4	98.9	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0		
GE 100		70.2	71.9	82.5	85.7	94.7	96.5	97.4	98.9	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0		
GE 000		70.2	71.9	82.5	85.7	94.7	96.5	97.4	98.9	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0		

TOTAL NUMBER OF OBSERVATIONS 456

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106530 STATION NAME: GIEBELSTADT AAF GERMANY PERIOD OF RECORD: OCT 80 - SEP 89
LST TO UTC: - 1 MONTH: APR HOURS: 21-23

CEILING IN FEET	VISIBILITY IN METERS															
	GE 112	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 08	GE 06	GE 04	GE 00
NO CEIL	35.4	35.4	41.5	43.6	46.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2
GE 20000	38.5	38.5	47.2	49.2	52.3	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8
GE 18000	39.5	39.5	48.2	50.3	53.3	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9
GE 16000	39.5	39.5	48.2	50.3	53.3	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9
GE 14000	39.5	39.5	48.2	50.3	53.3	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9
GE 12000	40.5	40.5	49.2	51.3	54.4	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9
GE 10000	44.1	44.1	52.8	54.9	57.9	59.5	59.5	59.5	59.5	59.5	59.5	59.5	59.5	59.5	59.5	59.5
GE 9000	46.2	46.7	55.4	57.4	60.5	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1
GE 8000	50.3	50.8	61.0	64.1	67.2	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7
GE 7000	52.3	52.8	63.6	66.7	71.3	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8
GE 6000	52.3	52.8	63.6	66.7	71.3	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8
GE 5000	57.4	57.9	68.7	71.8	77.9	80.5	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0
GE 4500	57.4	58.5	69.7	72.8	79.0	81.5	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1
GE 4000	59.0	60.0	72.3	75.4	84.1	86.7	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2
GE 3500	60.5	61.5	74.4	77.4	87.2	90.3	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8
GE 3000	62.6	63.6	76.9	80.5	91.8	94.9	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4
GE 2500	62.6	63.6	76.9	80.5	92.3	95.4	95.9	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4
GE 2000	63.1	64.1	77.4	81.5	93.8	96.9	97.4	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9
GE 1800	63.1	64.1	77.4	81.5	93.8	96.9	97.4	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9
GE 1500	63.1	64.1	77.4	81.5	93.8	96.9	97.4	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5
GE 1200	63.1	64.1	77.4	81.5	94.4	97.4	97.9	99.0	99.0	99.5	99.5	99.5	99.5	99.5	99.5	99.5
GE 1000	63.1	64.1	77.4	81.5	94.4	97.4	97.9	99.0	99.0	99.5	99.5	99.5	99.5	99.5	99.5	99.5
GE 900	63.1	64.1	77.4	81.5	94.4	97.4	97.9	99.0	99.0	99.5	99.5	99.5	99.5	99.5	99.5	99.5
GE 800	63.1	64.1	77.4	81.5	94.4	97.4	97.9	99.0	99.0	99.5	99.5	99.5	99.5	99.5	99.5	99.5
GE 700	63.1	64.1	77.4	81.5	94.4	97.4	97.9	99.0	99.0	99.5	99.5	99.5	99.5	99.5	99.5	99.5
GE 600	63.1	64.1	77.4	81.5	94.4	97.4	97.9	99.0	99.0	99.5	99.5	99.5	99.5	99.5	99.5	99.5
GE 500	63.1	64.1	77.4	81.5	94.4	97.4	97.9	99.0	99.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 400	63.1	64.1	77.4	81.5	94.4	97.4	97.9	99.0	99.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 300	63.1	64.1	77.4	81.5	94.4	97.4	97.9	99.0	99.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 200	63.1	64.1	77.4	81.5	94.4	97.4	97.9	99.0	99.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 100	63.1	64.1	77.4	81.5	94.4	97.4	97.9	99.0	99.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 000	63.1	64.1	77.4	81.5	94.4	97.4	97.9	99.0	99.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 195

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106530

STATION NAME: GIEBELSTADT AAF GERMANY
LST TO UTC: - 1

PERIOD OF RECORD: OCT 80 - SEP 89
MONTH: APR HOURS: ALL

CEILING IN FEET	VISIBILITY IN METERS																	
	GE 112	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 08	GE 06	GE 04	GE 00		
NO CEIL	28.5	29.2	34.3	36.1	40.2	41.1	41.2	41.5	41.5	41.5	41.5	41.5	41.5	41.5	41.5	41.5	41.7	
GE 20000	32.7	33.5	39.6	41.5	46.0	47.0	47.2	47.5	47.5	47.5	47.5	47.5	47.6	47.6	47.6	47.6	47.8	
GE 18000	33.3	34.0	40.3	42.2	46.7	47.8	48.0	48.3	48.3	48.3	48.3	48.3	48.4	48.4	48.4	48.4	48.5	
GE 16000	33.3	34.0	40.3	42.2	46.7	47.8	48.0	48.3	48.3	48.3	48.3	48.4	48.4	48.4	48.4	48.4	48.5	
GE 14000	33.4	34.2	40.5	42.4	47.0	48.0	48.2	48.7	48.7	48.7	48.7	48.8	48.8	48.8	48.8	48.8	48.9	
GE 12000	34.1	34.9	41.3	43.3	48.0	49.0	49.2	49.6	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.8	49.9	
GE 10000	36.0	36.9	43.7	45.8	50.6	51.7	51.9	52.3	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.5	52.6	
GE 9000	37.0	37.9	45.2	47.3	52.4	53.4	53.7	54.1	54.2	54.2	54.2	54.2	54.2	54.2	54.3	54.3	54.4	
GE 8000	40.1	41.0	49.3	52.0	57.4	58.5	58.9	59.3	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.6	
GE 7000	41.9	42.8	51.7	54.4	60.5	61.8	62.1	62.5	62.6	62.6	62.8	62.8	62.8	62.8	62.9	63.0	63.0	
GE 6000	42.2	43.2	52.0	54.8	60.9	62.2	62.5	62.9	63.1	63.1	63.3	63.3	63.3	63.3	63.3	63.4	63.5	
GE 5000	44.7	46.0	55.4	58.4	65.1	66.7	67.1	67.5	67.7	67.7	67.9	68.0	68.0	68.0	68.0	68.0	68.2	
GE 4500	45.7	47.2	56.8	60.0	66.9	68.5	68.8	69.3	69.5	69.5	69.7	69.8	69.8	69.8	69.8	69.8	70.0	
GE 4000	48.8	50.4	60.6	64.0	71.9	73.7	74.1	74.7	74.9	74.9	75.2	75.3	75.3	75.3	75.4	75.4	75.6	
GE 3500	51.3	53.1	63.8	67.5	75.8	77.9	78.3	79.0	79.2	79.3	79.6	79.7	79.7	79.8	79.8	80.0	80.0	
GE 3000	56.0	58.0	69.6	73.9	83.0	85.2	85.6	86.4	86.6	86.8	87.2	87.3	87.3	87.4	87.4	87.6	87.6	
GE 2500	56.4	58.4	70.3	74.8	84.3	86.7	87.3	88.1	88.3	88.5	89.0	89.1	89.2	89.3	89.3	89.3	89.6	
GE 2000	57.5	59.7	71.9	76.6	86.5	89.3	90.0	90.9	91.2	91.5	91.9	92.0	92.1	92.2	92.2	92.2	92.5	
GE 1800	57.6	59.8	72.0	76.7	86.6	89.4	90.2	91.1	91.4	91.6	92.1	92.2	92.3	92.4	92.4	92.6	92.6	
GE 1500	58.1	60.3	72.6	77.6	88.0	91.1	91.9	92.9	93.3	93.5	94.0	94.1	94.2	94.3	94.3	94.5	94.5	
GE 1200	58.5	60.7	73.3	78.6	89.2	92.7	93.7	95.0	95.4	95.7	96.2	96.2	96.4	96.4	96.5	96.7	96.7	
GE 1000	58.6	60.8	73.7	79.0	89.8	93.2	94.3	95.5	96.0	96.3	96.8	96.9	97.0	97.1	97.1	97.3	97.3	
GE 900	58.6	60.8	73.8	79.2	90.1	93.6	94.7	95.9	96.4	96.7	97.2	97.3	97.4	97.5	97.5	97.7	97.7	
GE 800	58.6	60.8	73.8	79.3	90.3	93.8	94.9	96.2	96.7	97.0	97.5	97.6	97.7	97.8	97.8	98.0	98.0	
GE 700	58.6	60.8	73.9	79.3	90.4	93.9	95.1	96.3	96.9	97.2	97.6	97.8	97.9	98.0	98.0	98.2	98.2	
GE 600	58.6	60.8	74.0	79.5	90.6	94.2	95.4	96.7	97.3	97.6	98.1	98.2	98.3	98.4	98.4	98.7	98.7	
GE 500	58.6	60.8	74.0	79.5	90.8	94.4	95.6	97.0	97.6	98.0	98.5	98.6	98.7	98.8	98.9	99.1	99.1	
GE 400	58.6	60.8	74.0	79.5	90.8	94.4	95.7	97.0	97.7	98.0	98.5	98.8	98.9	99.0	99.1	99.5	99.5	
GE 300	58.6	60.8	74.0	79.5	90.8	94.4	95.8	97.1	97.8	98.2	98.7	98.9	99.1	99.2	99.3	99.7	99.7	
GE 200	58.6	60.8	74.0	79.5	90.8	94.4	95.8	97.1	97.8	98.2	98.7	98.9	99.1	99.2	99.3	99.8	99.8	
GE 100	58.6	60.8	74.0	79.5	90.8	94.4	95.8	97.1	97.8	98.2	98.7	98.9	99.1	99.2	99.3	100.0	100.0	

TOTAL NUMBER OF OBSERVATIONS 2890

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106530 STATION NAME: GIEBELSTADT AAF GERMANY PERIOD OF RECORD: OCT 80 - SEP 89
LST TO UTC: - 1 MONTH: MAY HOURS: 06-08

CEILING IN FEET	VISIBILITY IN METERS															
	GE 112	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 08	GE 06	GE 04	GE 00
NO CEIL	16.5	17.0	24.6	27.2	33.0	34.2	34.9	35.3	35.3	35.3	35.5	35.5	35.7	35.7	35.7	35.8
GE 20000	19.0	19.5	27.6	30.5	36.4	37.6	38.4	38.9	39.1	39.2	39.2	39.4	39.4	39.4	39.6	
GE 18000	19.5	20.1	28.1	31.0	36.9	38.2	38.9	39.4	39.6	39.6	39.8	39.8	40.0	40.0	40.0	40.1
GE 16000	19.5	20.1	28.1	31.0	37.3	38.5	39.2	39.8	40.0	40.0	40.1	40.1	40.3	40.3	40.3	40.5
GE 14000	19.7	20.3	28.3	31.2	37.6	38.9	39.6	40.3	40.5	40.5	40.7	40.7	40.9	40.9	40.9	41.0
GE 12000	20.3	21.1	29.2	32.3	38.7	40.1	40.9	41.6	41.8	41.8	41.9	41.9	42.1	42.1	42.1	42.3
GE 10000	23.1	24.0	32.8	35.8	42.5	43.9	44.6	45.3	45.5	45.5	45.7	45.7	45.9	45.9	45.9	46.1
GE 9000	25.3	26.3	35.3	38.7	45.7	47.1	48.2	49.1	49.3	49.3	49.5	49.5	49.6	49.6	49.6	49.8
GE 8000	28.3	29.4	39.6	43.5	52.2	54.3	55.4	56.3	56.8	56.8	57.0	57.0	57.2	57.2	57.2	57.3
GE 7000	30.3	31.4	41.8	45.7	54.8	57.2	58.2	59.1	59.9	59.9	60.2	60.2	60.4	60.4	60.4	60.6
GE 6000	31.5	32.6	43.4	47.3	57.3	59.7	60.8	61.6	62.4	62.4	62.7	62.7	62.9	62.9	62.9	63.1
GE 5000	33.9	34.9	47.3	51.8	62.4	64.7	65.8	66.8	67.6	67.6	67.9	68.1	68.3	68.5	68.5	68.6
GE 4500	34.2	35.3	47.7	52.3	62.9	65.2	66.3	67.4	68.1	68.1	68.5	68.6	68.8	69.0	69.0	69.2
GE 4000	36.6	38.0	52.7	57.9	69.2	71.9	73.1	74.2	74.9	74.9	75.3	75.4	75.6	75.8	75.8	76.2
GE 3500	36.9	38.4	53.6	59.1	72.0	74.9	76.3	77.4	78.1	78.1	78.5	78.7	78.9	79.0	79.0	79.4
GE 3000	38.2	39.6	56.3	62.4	78.1	81.2	82.6	83.9	84.6	84.8	85.1	85.3	85.5	85.7	85.7	86.0
GE 2500	38.2	39.6	56.3	62.4	78.7	81.7	83.2	84.4	85.1	85.3	85.7	85.8	86.0	86.2	86.2	86.6
GE 2000	38.7	40.3	57.5	63.6	80.1	83.3	84.8	86.6	87.3	87.5	87.8	88.0	88.2	88.4	88.4	88.7
GE 1800	39.1	40.7	58.1	64.2	80.8	84.1	85.5	87.5	88.2	88.4	88.7	88.9	89.1	89.2	89.2	89.6
GE 1500	39.4	41.0	58.4	64.5	81.9	85.7	87.1	89.1	89.8	90.0	90.3	90.5	90.7	90.9	90.9	91.2
GE 1200	39.6	41.2	59.0	65.2	83.2	87.1	88.7	91.0	91.8	92.1	92.5	92.7	92.8	93.0	93.0	93.4
GE 1000	39.8	41.4	59.5	65.9	84.4	88.4	90.0	92.5	93.2	93.5	93.9	94.1	94.3	94.4	94.4	94.8
GE 900	39.8	41.4	59.5	65.9	84.6	88.5	90.1	92.7	93.5	93.9	94.3	94.4	94.6	94.8	94.8	95.2
GE 800	40.3	41.9	60.2	66.7	85.3	89.2	91.0	93.5	94.4	94.8	95.2	95.3	95.7	95.9	95.9	96.6
GE 700	40.3	41.9	60.2	66.7	85.3	89.2	91.0	93.7	94.8	95.2	95.5	95.7	96.1	96.2	96.2	97.0
GE 600	40.3	41.9	60.4	66.8	85.5	89.4	91.4	94.3	95.3	95.7	96.1	96.4	96.8	97.0	97.0	97.8
GE 500	40.3	41.9	60.4	66.8	85.5	89.4	91.4	94.4	95.5	95.9	96.4	96.8	97.1	97.3	97.3	98.2
GE 400	40.3	41.9	60.4	66.8	85.7	89.8	91.8	94.8	95.9	96.2	96.8	97.1	97.5	97.7	97.7	98.6
GE 300	40.3	41.9	60.4	66.8	85.7	89.8	91.8	94.8	95.9	96.2	96.8	97.3	97.7	97.8	97.8	98.9
GE 200	40.3	41.9	60.4	66.8	85.7	89.8	91.8	94.8	95.9	96.2	96.8	97.5	98.0	98.2	98.2	99.3
GE 100	40.3	41.9	60.4	66.8	85.7	89.8	91.8	94.8	95.9	96.2	96.8	97.5	98.0	98.2	98.2	100.0
GE 000	40.3	41.9	60.4	66.8	85.7	89.8	91.8	94.8	95.9	96.2	96.8	97.5	98.0	98.2	98.2	100.0

TOTAL NUMBER OF OBSERVATIONS 558

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106530

STATION NAME: GIEBELSTADT AAF GERMANY
LST TO UTC: - 1

PERIOD OF RECORD: OCT 80 - SEP 89
MONTH: MAY HOURS: 09-11

CEILING IN FEET	VISIBILITY IN METERS															
	GE 112	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 08	GE 06	GE 04	GE 00
NO CEIL	26.9	27.7	32.8	34.6	36.1	36.3	36.5	36.5	36.5	36.5	36.5	36.5	36.5	36.5	36.5	36.5
GE 20000	31.1	31.9	38.4	40.7	42.4	42.6	42.8	42.8	42.8	42.8	42.8	42.8	42.8	42.8	42.8	42.8
GE 18000	31.9	32.8	39.3	41.5	43.3	43.5	43.6	43.6	43.6	43.6	43.6	43.6	43.6	43.6	43.6	43.6
GE 16000	31.9	32.8	39.3	41.9	43.8	44.0	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2
GE 14000	31.9	32.8	39.3	41.9	43.8	44.0	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2
GE 12000	33.0	33.9	40.3	42.9	44.9	45.0	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2
GE 10000	35.3	36.1	42.8	45.4	47.3	47.5	47.6	47.6	47.6	47.6	47.6	47.6	47.6	47.6	47.6	47.6
GE 9000	37.2	38.0	45.5	48.2	50.1	50.3	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4
GE 8000	40.0	40.8	49.7	52.5	55.3	55.7	56.0	56.0	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4
GE 7000	42.4	43.3	52.5	55.5	58.3	58.8	59.2	59.2	59.5	59.5	59.5	59.5	59.5	59.5	59.5	59.5
GE 6000	42.8	43.6	53.2	56.2	59.0	59.5	59.9	59.9	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2
GE 5000	44.2	45.0	55.3	58.6	62.1	62.8	63.4	63.4	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7
GE 4500	44.5	45.4	56.2	59.5	63.0	63.7	64.2	64.2	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6
GE 4000	48.3	49.2	60.0	63.7	67.5	68.2	68.8	68.8	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1
GE 3500	52.5	53.6	64.	69.6	74.3	75.0	75.6	75.6	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9
GE 3000	59.5	60.9	73.6	78.9	84.6	85.3	85.9	85.9	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2
GE 2500	60.6	62.0	74.9	80.3	86.6	87.3	87.8	88.0	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3
GE 2000	62.8	64.2	77.8	83.8	90.2	90.9	91.4	91.8	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5
GE 1800	62.8	64.2	78.0	83.9	90.6	91.3	91.8	92.1	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8
GE 1500	63.4	64.7	78.7	85.0	91.6	92.3	92.8	93.4	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1
GE 1200	64.4	65.8	80.3	86.6	93.5	94.2	94.8	95.6	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5
GE 1000	64.9	66.3	81.0	87.3	94.2	95.3	95.8	96.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7
GE 900	64.9	66.3	81.0	87.3	94.4	95.5	96.0	96.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9
GE 800	64.9	66.3	81.3	87.6	95.3	96.3	96.9	97.7	98.8	98.8	98.8	98.8	98.8	98.8	98.8	99.0
GE 700	64.9	66.3	81.3	87.6	95.5	96.5	97.0	97.9	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.1
GE 600	64.9	66.3	81.3	87.8	95.6	96.7	97.2	98.3	99.3	99.5	99.5	99.5	99.5	99.5	99.5	99.7
GE 500	64.9	66.3	81.3	87.8	95.6	96.7	97.2	98.3	99.3	99.5	99.7	99.7	99.7	99.7	99.7	99.8
GE 400	64.9	66.3	81.3	87.8	95.6	96.7	97.2	98.3	99.3	99.5	99.7	99.7	99.7	99.7	99.7	99.8
GE 300	64.9	66.3	81.3	87.8	95.6	96.7	97.2	98.3	99.3	99.5	99.7	99.7	99.7	99.7	99.7	99.8
GE 200	64.9	66.3	81.3	87.8	95.6	96.7	97.2	98.3	99.3	99.5	99.7	99.8	99.8	99.8	99.8	100.0
GE 100	64.9	66.3	81.3	87.8	95.6	96.7	97.2	98.3	99.3	99.5	99.7	99.8	99.8	99.8	99.8	100.0
GE 000	64.9	66.3	81.3	87.8	95.6	96.7	97.2	98.3	99.3	99.5	99.7	99.8	99.8	99.8	99.8	100.0

TOTAL NUMBER OF OBSERVATIONS 573

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106530 STATION NAME: GIEBELSTADT AAF GERMANY PERIOD OF RECORD: OCT 80 - SEP 89
LST TO UTC: + 1 MONTH: MAY HOURS: 12-14

CEILING IN FEET	VISIBILITY IN METERS															
	GE 112	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 08	GE 06	GE 04	GE 00
NO CEIL	32.3	33.7	35.9	36.6	36.8	36.8	36.8	36.8	36.8	36.8	36.8	36.8	36.8	36.8	36.8	36.8
GE 20000	36.8	38.2	41.2	42.5	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6
GE 18000	37.3	38.7	41.7	43.0	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2
GE 16000	37.5	38.9	41.9	43.2	43.3	43.3	43.3	43.3	43.3	43.3	43.3	43.3	43.3	43.3	43.3	43.3
GE 14000	38.2	39.6	42.6	44.0	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2
GE 12000	39.3	40.7	43.7	45.3	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5
GE 10000	40.7	42.1	45.3	46.9	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1
GE 9000	42.6	44.0	47.2	49.2	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6
GE 8000	47.1	48.5	52.4	54.5	55.2	55.6	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8
GE 7000	49.2	51.0	55.1	57.2	57.9	58.4	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6
GE 6000	49.6	51.3	55.4	57.5	58.3	58.8	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0
GE 5000	53.8	55.6	60.6	62.7	63.4	63.9	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1
GE 4500	54.5	56.3	61.3	63.4	64.1	64.7	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8
GE 4000	60.4	62.3	68.6	70.9	71.6	72.1	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3
GE 3500	64.7	66.8	73.4	75.7	76.4	76.9	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1
GE 3000	75.3	77.6	84.9	87.4	88.5	89.0	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2
GE 2500	77.3	79.6	87.6	90.1	91.3	91.8	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2
GE 2000	78.7	81.0	89.5	92.0	93.8	94.3	94.8	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0
GE 1800	78.7	81.0	89.7	92.2	94.0	94.5	95.0	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2
GE 1500	79.4	81.7	90.8	93.3	95.6	96.1	96.6	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0
GE 1200	79.4	81.7	90.8	93.4	96.3	97.3	97.9	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6
GE 1000	79.4	81.7	90.8	93.4	96.6	97.7	98.2	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
GE 900	79.4	81.7	90.8	93.4	96.6	97.7	98.2	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
GE 800	79.4	81.7	90.9	93.6	97.2	98.4	98.9	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
GE 700	79.4	81.7	90.9	93.6	97.2	98.4	98.9	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
GE 600	79.4	81.7	90.9	93.6	97.2	98.4	98.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 500	79.4	81.7	90.9	93.6	97.2	98.4	98.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 400	79.4	81.7	90.9	93.6	97.2	98.4	98.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 300	79.4	81.7	90.9	93.6	97.2	98.4	98.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 200	79.4	81.7	90.9	93.6	97.2	98.4	98.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 100	79.4	81.7	90.9	93.6	97.2	98.4	98.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 000	79.4	81.7	90.9	93.6	97.2	98.4	98.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 563

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106530

STATION NAME: GIEBELSTADT AAF GERMANY
LST TO UTC: - 1

PERIOD OF RECORD: OCT 80 - SEP 89
MONTH: MAY HOURS: 15-17

CEILING IN FEET	VISIBILITY IN METERS															
	GE 112	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 08	GE 06	GE 04	GE 00
NO CEIL	37.3	38.3	38.8	39.0	39.0	39.0	39.0	39.0	39.0	39.0	39.0	39.0	39.0	39.0	39.0	39.0
GE 20000	44.4	45.8	46.7	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3
GE 18000	44.8	46.2	47.1	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7
GE 16000	44.8	46.2	47.1	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7
GE 14000	44.8	46.2	47.1	47.9	47.9	47.9	47.9	47.9	47.9	47.9	47.9	47.9	47.9	47.9	47.9	47.9
GE 12000	46.2	47.5	48.5	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4
GE 10000	47.9	49.4	50.6	51.5	51.5	51.5	51.5	51.5	51.5	51.5	51.5	51.5	51.5	51.5	51.5	51.5
GE 9000	49.2	50.8	51.9	53.1	53.3	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5
GE 8000	57.1	59.0	60.4	61.5	61.7	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1
GE 7000	60.8	62.7	64.0	65.2	65.4	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8
GE 6000	61.7	63.7	65.2	66.3	66.7	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1
GE 5000	66.0	67.9	69.6	70.8	71.3	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7
GE 4500	67.1	69.0	71.2	72.3	72.9	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3
GE 4000	71.9	74.0	77.1	78.3	78.8	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2
GE 3500	77.1	79.2	82.7	83.8	84.6	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0
GE 3000	81.5	84.2	88.1	89.4	90.8	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2
GE 2500	83.1	85.8	89.6	91.2	92.9	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3
GE 2000	84.0	86.7	90.8	92.7	94.6	95.0	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2
GE 1800	84.2	86.9	91.0	92.9	94.8	95.2	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4
GE 1500	84.2	86.9	91.0	92.9	95.0	95.6	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8
GE 1200	84.4	87.1	91.2	93.3	96.2	96.9	97.3	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9
GE 1000	84.4	87.1	91.3	93.8	96.9	97.7	98.1	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
GE 900	84.4	87.1	91.3	93.8	96.9	97.7	98.1	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
GE 800	84.4	87.1	91.3	94.0	97.5	98.5	98.8	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
GE 700	84.4	87.1	91.3	94.0	97.5	98.5	98.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
GE 600	84.4	87.1	91.3	94.0	97.5	98.5	98.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
GE 500	84.4	87.1	91.3	94.0	97.5	98.5	98.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
GE 400	84.4	87.1	91.3	94.0	97.5	98.5	98.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
GE 300	84.4	87.1	91.3	94.0	97.5	98.5	99.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 200	84.4	87.1	91.3	94.0	97.5	98.5	99.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 100	84.4	87.1	91.3	94.0	97.5	98.5	99.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 000	84.4	87.1	91.3	94.0	97.5	98.5	99.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 520

OPERATING LOCATION "A"
USAFTAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106530 STATION NAME: GIEBELSTADT AAF GERMANY PERIOD OF RECORD: OCT 80 - SEP 89
LST TO UTC: - 1 MONTH: MAY HOURS: 18-20

CEILING IN FEET	VISIBILITY IN METERS															
	GE 112	GE 90	GE 80	GE 60	GE 50	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 08	GE 06	GE 04	GE 00
NO CEIL	39.6	40.7	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9
GE 20000	46.5	47.8	49.9	50.3	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.8
GE 18000	46.9	48.3	50.3	50.8	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3
GE 16000	46.9	48.3	50.3	50.8	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3
GE 14000	47.1	48.5	50.6	51.0	51.5	51.5	51.5	51.5	51.5	51.5	51.5	51.5	51.5	51.5	51.5	51.5
GE 12000	48.1	49.4	51.5	51.9	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4
GE 10000	49.7	51.0	53.5	54.0	54.5	54.5	54.5	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7
GE 9000	51.0	52.4	54.9	55.8	56.3	56.3	56.3	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5
GE 8000	55.4	56.8	60.4	61.3	61.8	61.8	61.8	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0
GE 7000	59.0	60.4	64.3	65.2	65.7	65.7	65.7	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9
GE 6000	61.1	62.5	67.3	68.2	68.9	69.3	69.3	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6
GE 5000	64.5	65.9	71.2	72.3	73.2	73.7	73.7	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9
GE 4500	66.8	68.4	74.1	75.3	76.2	76.7	76.7	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9
GE 4000	72.3	73.9	80.5	81.7	82.6	83.1	83.1	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3
GE 3500	75.1	76.9	84.2	85.8	86.7	87.2	87.2	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4
GE 3000	78.5	81.5	88.8	90.4	92.0	92.7	92.9	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1
GE 2500	78.7	81.7	89.0	90.8	92.7	93.4	93.6	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8
GE 2000	79.2	82.2	89.9	91.8	94.1	95.2	95.4	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7
GE 1800	79.2	82.2	89.9	91.8	94.1	95.2	95.4	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7
GE 1500	79.4	82.4	90.2	92.0	94.3	95.4	95.7	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1
GE 1200	79.4	82.4	90.2	92.0	94.5	95.7	95.9	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6
GE 1000	79.4	82.4	90.2	92.0	94.7	96.1	96.6	97.3	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9
GE 900	79.4	82.4	90.2	92.0	94.7	96.1	96.6	97.3	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9
GE 800	79.4	82.4	90.2	92.2	95.0	96.3	97.0	97.7	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
GE 700	79.4	82.4	90.2	92.2	95.0	96.6	97.5	98.2	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
GE 600	79.4	82.4	90.2	92.2	95.0	96.8	97.9	98.6	99.5	99.8	100.0	100.0	100.0	100.0	100.0	100.0
GE 500	79.4	82.4	90.2	92.2	95.0	96.8	97.9	98.6	99.5	99.8	100.0	100.0	100.0	100.0	100.0	100.0
GE 400	79.4	82.4	90.2	92.2	95.0	96.8	97.9	98.6	99.5	99.8	100.0	100.0	100.0	100.0	100.0	100.0
GE 300	79.4	82.4	90.2	92.2	95.0	96.8	97.9	98.6	99.5	99.8	100.0	100.0	100.0	100.0	100.0	100.0
GE 200	79.4	82.4	90.2	92.2	95.0	96.8	97.9	98.6	99.5	99.8	100.0	100.0	100.0	100.0	100.0	100.0
GE 100	79.4	82.4	90.2	92.2	95.0	96.8	97.9	98.6	99.5	99.8	100.0	100.0	100.0	100.0	100.0	100.0
GE 000	79.4	82.4	90.2	92.2	95.0	96.8	97.9	98.6	99.5	99.8	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 437

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106530

STATION NAME: GIEBELSTADT AAF GERMANY
LST TO UTC: - 1

PERIOD OF RECORD: OCT 80 - SEP 89
MONTH: MAY HOURS: 21-23

CEILING IN FEET	VISIBILITY IN METERS															
	GE 112	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 08	GE 06	GE 04	GE 00
NO CEIL	38.0	39.5	41.0	42.5	43.5	43.5	43.5	43.5	43.5	43.5	43.5	43.5	43.5	43.5	43.5	43.5
GE 20000	44.5	46.5	48.5	51.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0
GE 18000	44.5	46.5	48.5	51.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0
GE 16000	44.5	46.5	48.5	51.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0
GE 14000	44.5	46.5	48.5	51.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0
GE 12000	45.5	47.5	49.5	52.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0
GE 10000	48.0	50.5	53.0	55.5	57.0	57.0	57.0	57.0	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5
GE 9000	48.5	51.0	54.0	56.5	58.5	58.5	59.0	59.0	59.5	59.5	59.5	59.5	59.5	59.5	59.5	59.5
GE 8000	53.5	56.5	60.0	62.5	65.0	65.0	65.5	65.5	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0
GE 7000	54.5	57.5	61.0	63.5	66.0	66.0	66.5	66.5	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0
GE 6000	56.5	59.5	64.0	66.5	69.0	69.0	69.5	69.5	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0
GE 5000	60.5	64.0	69.5	72.0	74.5	74.5	75.0	75.0	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5
GE 4500	62.0	65.5	71.5	74.5	77.0	77.0	77.5	77.5	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0
GE 4000	66.5	70.5	78.0	81.5	85.5	85.5	86.5	86.5	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0
GE 3500	68.5	72.5	80.0	84.0	88.5	89.0	90.0	90.0	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5
GE 3000	69.5	74.0	82.5	86.5	92.5	93.0	94.5	94.5	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0
GE 2500	69.5	74.0	82.5	86.5	92.5	93.5	95.0	95.0	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5
GE 2000	70.0	74.5	83.0	87.0	93.5	94.5	96.0	96.0	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5
GE 1800	70.5	75.0	83.5	87.5	94.0	95.0	96.5	96.5	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0
GE 1500	70.5	75.0	83.5	87.5	94.5	95.5	97.0	97.5	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
GE 1200	70.5	75.0	83.5	87.5	94.5	95.5	97.0	97.5	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
GE 1000	70.5	75.0	83.5	87.5	94.5	95.5	97.5	98.0	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5
GE 900	70.5	75.0	83.5	87.5	94.5	95.5	97.5	98.0	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5
GE 800	70.5	75.0	83.5	87.5	94.5	95.5	97.5	98.0	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5
GE 700	70.5	75.0	83.5	87.5	94.5	95.5	97.5	98.0	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5
GE 600	70.5	75.0	83.5	87.5	94.5	95.5	97.5	98.0	98.5	98.5	99.0	99.0	99.0	99.0	99.0	99.0
GE 500	70.5	75.0	83.5	87.5	94.5	95.5	97.5	98.0	98.5	98.5	99.0	99.0	99.0	99.0	99.0	99.0
GE 400	70.5	75.0	83.5	87.5	94.5	95.5	98.0	98.5	99.0	99.0	99.5	99.5	99.5	99.5	99.5	99.5
GE 300	70.5	75.0	83.5	87.5	94.5	95.5	98.0	98.5	99.0	99.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 200	70.5	75.0	83.5	87.5	94.5	95.5	98.0	98.5	99.0	99.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 100	70.5	75.0	83.5	87.5	94.5	95.5	98.0	98.5	99.0	99.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 000	70.5	75.0	83.5	87.5	94.5	95.5	98.0	98.5	99.0	99.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 200

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106530 STATION NAME: GIEBELSTADT AAF GERMANY PERIOD OF RECORD: OCT 80 - SEP 89
LST TO UTC: - 1 MONTH: MAY HOURS: ALL

CEILING IN FEET	VISIBILITY IN METERS															
	GE 112	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 08	GE 06	GE 04	GE 00
NO CEIL	30.6	31.6	34.9	36.0	37.6	37.8	38.0	38.1	38.1	38.1	38.1	38.1	38.2	38.2	38.2	38.2
GE 20000	35.6	36.7	40.8	42.4	44.1	44.4	44.6	44.7	44.7	44.7	44.8	44.8	44.8	44.8	44.8	44.8
GE 18000	36.1	37.3	41.4	43.0	44.7	44.9	45.1	45.2	45.2	45.2	45.3	45.3	45.3	45.3	45.3	45.4
GE 16000	36.1	37.3	41.4	43.1	44.9	45.1	45.3	45.4	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.6
GE 14000	36.3	37.5	41.6	43.4	45.2	45.5	45.6	45.8	45.8	45.8	45.8	45.9	45.9	45.9	45.9	45.9
GE 12000	37.3	38.5	42.7	44.5	46.3	46.7	46.8	47.0	47.0	47.0	47.0	47.1	47.1	47.1	47.1	47.1
GE 10000	39.4	40.7	45.1	47.0	48.9	49.2	49.4	49.5	49.6	49.6	49.6	49.6	49.7	49.7	49.7	49.7
GE 9000	41.0	42.4	47.1	49.2	51.2	51.6	51.9	52.1	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.3
GE 8000	45.5	47.0	52.6	54.9	57.5	58.2	58.5	58.7	58.9	58.9	59.0	59.0	59.0	59.0	59.0	59.0
GE 7000	48.1	49.6	55.4	57.7	60.5	61.2	61.6	61.8	62.0	62.0	62.1	62.1	62.2	62.2	62.2	62.2
GE 6000	49.1	50.6	56.8	59.1	62.2	63.0	63.3	63.5	63.8	63.8	63.8	63.8	63.9	63.9	63.9	63.9
GE 5000	52.3	53.8	60.8	63.3	66.7	67.5	67.9	68.2	68.4	68.4	68.5	68.5	68.5	68.6	68.6	68.6
GE 4500	53.2	54.8	62.1	64.7	68.0	68.9	69.2	69.5	69.7	69.7	69.8	69.8	69.9	69.9	69.9	69.9
GE 4000	57.7	59.4	67.8	70.6	74.3	75.2	75.7	75.9	76.1	76.1	76.2	76.3	76.3	76.3	76.3	76.4
GE 3500	60.9	62.8	71.6	74.9	79.1	80.0	80.5	80.8	81.0	81.0	81.1	81.1	81.2	81.2	81.2	81.3
GE 3000	66.1	68.4	78.0	81.6	86.9	88.0	88.5	88.8	89.1	89.1	89.2	89.2	89.3	89.3	89.3	89.3
GE 2500	67.0	69.3	79.1	82.7	88.5	89.5	90.1	90.5	90.7	90.7	90.8	90.8	90.9	90.9	90.9	91.0
GE 2000	68.1	70.4	80.7	84.5	90.6	91.8	92.4	92.9	93.2	93.3	93.3	93.4	93.4	93.4	93.4	93.5
GE 1800	68.3	70.6	81.0	84.8	90.9	92.1	92.7	93.3	93.6	93.6	93.7	93.7	93.8	93.8	93.8	93.9
GE 1500	68.6	70.9	81.4	85.3	91.7	93.1	93.7	94.4	94.7	94.7	94.8	94.8	94.9	94.9	94.9	95.0
GE 1200	68.9	71.2	81.9	85.9	92.7	94.2	95.0	96.0	96.4	96.4	96.5	96.5	96.6	96.6	96.6	96.7
GE 1000	69.0	71.3	82.2	86.3	93.4	95.0	95.8	96.9	97.4	97.4	97.5	97.5	97.6	97.6	97.6	97.7
GE 900	69.0	71.3	82.2	86.3	93.4	95.1	95.9	97.0	97.5	97.6	97.6	97.7	97.7	97.8	97.8	97.8
GE 800	69.1	71.4	82.4	86.6	94.0	95.7	96.6	97.7	98.2	98.3	98.4	98.4	98.5	98.5	98.5	98.7
GE 700	69.1	71.4	82.4	86.6	94.0	95.8	96.7	97.9	98.4	98.5	98.6	98.6	98.7	98.7	98.7	98.9
GE 600	69.1	71.4	82.5	86.6	94.1	95.9	96.8	98.1	98.7	98.9	99.0	99.1	99.2	99.2	99.2	99.4
GE 500	69.1	71.4	82.5	86.6	94.1	95.9	96.8	98.2	98.8	98.9	99.1	99.2	99.3	99.3	99.3	99.5
GE 400	69.1	71.4	82.5	86.6	94.1	95.9	96.9	98.3	98.9	99.0	99.2	99.3	99.4	99.4	99.4	99.6
GE 300	69.1	71.4	82.5	86.6	94.1	95.9	97.0	98.3	98.9	99.1	99.3	99.4	99.5	99.5	99.5	99.8
GE 200	69.1	71.4	82.5	86.6	94.1	95.9	97.0	98.3	98.9	99.1	99.3	99.5	99.6	99.6	99.6	99.9
GE 100	69.1	71.4	82.5	86.6	94.1	95.9	97.0	98.3	98.9	99.1	99.3	99.5	99.6	99.6	99.6	100.0
GE 000	69.1	71.4	82.5	86.6	94.1	95.9	97.0	98.3	98.9	99.1	99.3	99.5	99.6	99.6	99.6	100.0

TOTAL NUMBER OF OBSERVATIONS 2851

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106530

STATION NAME: GIEBELSTADT AAF GERMANY
LST TO UTC: - 1

PERIOD OF RECORD: OCT 80 - SEP 89
MONTH: JUN HOURS: 06-08

CEILING IN FEET	VISIBILITY IN METERS																	
	GE 112	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 08	GE 06	GE 04	GE 00		
NO CEIL	17.9	18.1	26.9	29.9	34.7	35.9	36.6	37.5	37.5	37.5	38.4	38.5	38.5	38.5	38.5	38.5	38.5	
GE 20000	20.0	20.3	29.5	32.8	38.2	39.6	40.3	41.3	41.5	41.5	42.7	43.1	43.1	43.1	43.1	43.1	43.1	
GE 18000	20.0	20.3	29.5	32.8	38.2	39.6	40.3	41.3	41.5	41.5	42.7	43.1	43.1	43.1	43.1	43.1	43.1	
GE 16000	20.0	20.3	29.5	32.8	38.5	39.9	40.6	41.7	41.8	41.8	43.1	43.4	43.4	43.4	43.4	43.4	43.4	
GE 14000	20.1	20.5	29.7	33.0	38.7	40.1	40.8	41.8	42.0	42.0	43.2	43.6	43.6	43.6	43.6	43.6	43.6	
GE 12000	21.5	22.0	31.6	34.9	40.6	42.0	42.7	43.8	43.9	43.9	45.1	45.5	45.5	45.5	45.5	45.5	45.5	
GE 10000	22.9	23.4	33.0	36.5	43.4	44.8	45.5	46.9	47.4	47.4	48.6	49.0	49.0	49.0	49.0	49.0	49.0	
GE 9000	24.0	24.8	34.4	38.0	45.1	46.7	47.4	48.8	49.3	49.3	50.5	50.9	50.9	50.9	50.9	50.9	50.9	
GE 8000	28.6	30.0	40.3	44.3	52.3	54.2	54.9	56.4	56.9	56.9	58.3	58.9	58.9	58.9	58.9	58.9	58.9	
GE 7000	31.1	32.5	43.8	47.9	56.9	59.0	59.9	61.5	62.0	62.0	63.4	63.9	63.9	63.9	63.9	63.9	63.9	
GE 6000	32.3	33.7	45.0	49.5	58.9	60.9	61.8	63.4	63.9	63.9	65.3	65.8	65.8	65.8	65.8	65.8	65.8	
GE 5000	35.6	37.0	48.8	54.0	64.6	66.8	67.7	69.3	69.8	69.8	71.4	71.9	71.9	71.9	71.9	71.9	71.9	
GE 4500	36.1	37.5	49.5	54.9	65.5	67.7	68.6	70.1	70.7	70.7	72.2	72.7	72.7	72.7	72.7	72.7	72.7	
GE 4000	39.9	41.3	54.0	60.8	72.7	75.5	76.6	78.3	79.0	79.0	80.6	81.1	81.1	81.1	81.1	81.1	81.1	
GE 3500	41.1	42.7	56.3	63.0	76.2	79.0	80.6	82.6	83.3	83.3	84.9	85.4	85.4	85.4	85.4	85.4	85.4	
GE 3000	43.1	44.6	58.9	66.0	79.5	82.3	83.9	85.9	86.6	86.6	88.2	88.7	88.7	88.7	88.7	88.7	88.9	
GE 2500	43.1	44.6	59.0	66.1	80.0	82.8	84.4	86.5	87.2	87.2	88.7	89.2	89.2	89.2	89.2	89.2	89.4	
GE 2000	44.4	46.0	60.4	67.7	82.6	85.6	87.2	89.2	89.9	89.9	91.5	92.0	92.0	92.0	92.0	92.0	92.2	
GE 1800	44.6	46.2	60.6	67.9	82.8	85.8	87.3	89.4	90.1	90.1	91.7	92.2	92.2	92.2	92.2	92.2	92.4	
GE 1500	45.1	46.7	61.1	68.8	84.0	87.2	88.7	90.8	91.5	91.5	93.1	93.6	93.6	93.6	93.6	93.6	93.8	
GE 1200	45.3	46.9	61.3	69.1	84.7	87.8	89.4	91.7	92.4	92.4	93.9	94.4	94.4	94.4	94.4	94.4	94.6	
GE 1000	45.7	47.2	61.8	69.6	85.2	88.9	90.5	92.7	93.4	93.4	95.0	95.5	95.5	95.5	95.5	95.5	95.7	
GE 900	45.7	47.2	61.8	69.6	85.2	89.1	90.6	92.9	93.6	93.6	95.1	95.7	95.7	95.7	95.7	95.7	95.8	
GE 800	45.8	47.4	62.0	69.8	85.4	89.2	90.8	93.1	93.8	93.8	95.3	95.8	95.8	95.8	95.8	95.8	96.0	
GE 700	45.8	47.4	62.0	70.0	85.6	89.6	91.1	93.4	94.1	94.1	95.7	96.2	96.2	96.2	96.2	96.2	96.4	
GE 600	45.8	47.4	62.2	70.1	85.8	89.9	91.5	93.8	94.4	94.4	96.0	96.5	96.5	96.5	96.5	96.5	96.7	
GE 500	45.8	47.4	62.2	70.1	85.8	90.3	91.8	94.4	95.1	95.1	96.9	97.4	97.4	97.4	97.4	97.4	97.6	
GE 400	45.8	47.4	62.2	70.1	85.8	90.3	91.8	94.6	95.3	95.3	97.0	97.6	97.6	97.6	97.6	97.6	97.7	
GE 300	45.8	47.4	62.2	70.1	85.8	90.3	91.8	95.0	95.8	95.8	97.7	98.3	98.3	98.3	98.3	98.3	99.5	
GE 200	45.8	47.4	62.2	70.1	85.8	90.3	91.8	95.0	95.8	95.8	97.7	98.3	98.3	98.3	98.3	98.3	99.5	
GE 100	45.8	47.4	62.2	70.1	85.8	90.3	91.8	95.0	95.8	95.8	97.9	98.4	98.4	98.4	98.4	98.4	99.8	
GE 000	45.8	47.4	62.2	70.1	85.8	90.3	91.8	95.0	95.8	95.8	97.9	98.4	98.4	98.4	98.4	98.4	100.0	

TOTAL NUMBER OF OBSERVATIONS 576

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106530

STATION NAME: GIEBELSTADT AAF GERMANY
LST TO UTC: - 1

PERIOD OF RECORD: OCT 80 - SEP 89
MONTH: JUN HOURS: 09-11

TOTAL NUMBER OF OBSERVATIONS 586

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106530 STATION NAME: GIEBELSTADT AAF GERMANY PERIOD OF RECORD: OCT 80 - SEP 89
LST TO UTC: - 1 MONTH: JUN HOURS: 06-08

CEILING IN FEET	VISIBILITY IN METERS															
	GE 112	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 08	GE 06	GE 04	GE 00
NO CEIL	17.9	18.1	26.9	29.9	34.7	35.9	36.6	37.5	37.5	37.5	38.4	38.5	38.5	38.5	38.5	38.5
GE 20000	20.0	20.3	29.5	32.8	38.2	39.6	40.3	41.3	41.5	41.5	42.7	43.1	43.1	43.1	43.1	43.1
GE 18000	20.0	20.3	29.5	32.8	38.2	39.6	40.3	41.3	41.5	41.5	42.7	43.1	43.1	43.1	43.1	43.1
GE 16000	20.0	20.3	29.5	32.8	38.5	39.9	40.6	41.7	41.8	41.8	43.1	43.4	43.4	43.4	43.4	43.4
GE 14000	20.1	20.5	29.7	33.0	38.7	40.1	40.8	41.8	42.0	42.0	43.2	43.6	43.6	43.6	43.6	43.6
GE 12000	21.5	22.0	31.6	34.9	40.6	42.0	42.7	43.8	43.9	43.9	45.1	45.5	45.5	45.5	45.5	45.5
GE 10000	22.9	23.4	33.0	36.5	43.4	44.8	45.5	46.9	47.4	47.4	48.6	49.0	49.0	49.0	49.0	49.0
GE 9000	24.0	24.8	34.4	38.0	45.1	46.7	47.4	48.8	49.3	49.3	50.5	50.9	50.9	50.9	50.9	50.9
GE 8000	28.6	30.0	40.3	44.3	52.3	54.2	54.9	56.4	56.9	56.9	58.3	58.9	58.9	58.9	58.9	58.9
GE 7000	31.1	32.5	43.8	47.9	56.9	59.0	59.9	61.5	62.0	62.0	63.4	63.9	63.9	63.9	63.9	63.9
GE 6000	32.3	33.7	45.0	49.5	58.9	60.9	61.8	63.4	63.9	63.9	65.3	65.8	65.8	65.8	65.8	65.8
GE 5000	35.6	37.0	48.8	54.0	64.6	66.8	67.7	69.3	69.8	69.8	71.4	71.9	71.9	71.9	71.9	71.9
GE 4500	36.1	37.5	49.5	54.9	65.5	67.7	68.6	70.1	70.7	70.7	72.2	72.7	72.7	72.7	72.7	72.7
GE 4000	39.9	41.3	54.0	60.8	72.7	75.5	76.6	78.3	79.0	79.0	80.6	81.1	81.1	81.1	81.1	81.1
GE 3500	41.1	42.7	56.3	63.0	76.2	79.0	80.6	82.6	83.3	83.3	84.9	85.4	85.4	85.4	85.4	85.4
GE 3000	43.1	44.6	58.9	66.0	79.5	82.3	83.9	85.9	86.6	86.6	88.2	88.7	88.7	88.7	88.7	88.7
GE 2500	43.1	44.6	59.0	66.1	80.0	82.8	84.4	86.5	87.2	87.2	88.7	89.2	89.2	89.2	89.2	89.4
GE 2000	44.4	46.0	60.4	67.7	82.6	85.6	87.2	89.2	89.9	89.9	91.5	92.0	92.0	92.0	92.0	92.2
GE 1800	44.6	46.2	60.6	67.9	82.8	85.8	87.3	89.4	90.1	90.1	91.7	92.2	92.2	92.2	92.2	92.4
GE 1500	45.1	46.7	61.1	68.8	84.0	87.2	88.7	90.8	91.5	91.5	93.1	93.6	93.6	93.6	93.6	93.8
GE 1200	45.3	46.9	61.3	69.1	84.7	87.8	89.4	91.7	92.4	92.4	93.9	94.4	94.4	94.4	94.4	94.6
GE 1000	45.7	47.2	61.8	69.6	85.2	88.9	90.5	92.7	93.4	93.4	95.0	95.5	95.5	95.5	95.5	95.7
GE 900	45.7	47.2	61.8	69.6	85.2	89.1	90.6	92.9	93.6	93.6	95.1	95.7	95.7	95.7	95.7	95.8
GE 800	45.8	47.4	62.0	69.8	85.4	89.2	90.8	93.1	93.8	93.8	95.3	95.8	95.8	95.8	95.8	96.0
GE 700	45.8	47.4	62.0	70.0	85.6	89.6	91.1	93.4	94.1	94.1	95.7	96.2	96.2	96.2	96.2	96.4
GE 600	45.8	47.4	62.2	70.1	85.8	89.9	91.5	93.8	94.4	94.4	96.0	96.5	96.5	96.5	96.5	96.7
GE 500	45.8	47.4	62.2	70.1	85.8	90.3	91.8	94.4	95.1	95.1	96.9	97.4	97.4	97.4	97.4	97.6
GE 400	45.8	47.4	62.2	70.1	85.8	90.3	91.8	94.6	95.3	95.3	97.0	97.6	97.6	97.6	97.6	97.7
GE 300	45.8	47.4	62.2	70.1	85.8	90.3	91.8	95.0	95.8	95.8	97.7	98.3	98.3	98.3	98.3	99.5
GE 200	45.8	47.4	62.2	70.1	85.8	90.3	91.8	95.0	95.8	95.8	97.7	98.3	98.3	98.3	98.3	99.5
GE 100	45.8	47.4	62.2	70.1	85.8	90.3	91.8	95.0	95.8	95.8	97.9	98.4	98.4	98.4	98.4	99.8
GE 000	45.8	47.4	62.2	70.1	85.8	90.3	91.8	95.0	95.8	95.8	97.9	98.4	98.4	98.4	98.4	100.0

TOTAL NUMBER OF OBSERVATIONS 576

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106530 STATION NAME: GIEBELSTADT AAF GERMANY PERIOD OF RECORD: OCT 80 - SEP 89
LST TO UTC: - 1 MONTH: JUN HOURS: 09-11

CEILING IN FEET	VISIBILITY IN METERS															
	GE 112	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 08	GE 06	GE 04	GE 00
NO CEIL	30.0	30.9	34.6	36.7	37.5	38.2	38.2	38.7	38.7	38.7	38.7	38.7	38.7	38.7	38.7	38.7
GE 20000	34.0	35.2	39.4	42.0	43.2	43.9	44.0	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5
GE 18000	34.0	35.2	39.4	42.0	43.2	43.9	44.0	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5
GE 16000	34.0	35.2	39.4	42.0	43.2	43.9	44.0	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5
GE 14000	34.8	36.0	40.3	42.8	44.0	44.7	44.9	45.4	45.4	45.4	45.4	45.4	45.4	45.4	45.4	45.4
GE 12000	35.7	36.9	41.1	43.7	44.9	45.6	45.7	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2
GE 10000	38.9	40.1	45.2	48.0	49.3	50.2	50.3	50.9	50.9	50.9	50.9	50.9	50.9	50.9	50.9	50.9
GE 9000	40.3	41.5	46.6	49.7	51.2	52.0	52.2	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7
GE 8000	43.9	45.1	50.7	53.9	55.6	56.7	56.8	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3
GE 7000	46.9	48.1	54.1	57.5	59.4	60.4	60.6	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1
GE 6000	48.1	49.5	55.5	58.9	60.9	61.9	62.1	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6
GE 5000	50.5	51.9	58.0	61.6	65.4	66.6	66.7	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2
GE 4500	52.7	54.3	60.4	64.0	67.9	69.1	69.3	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8
GE 4000	57.7	59.2	66.0	70.0	73.9	75.8	76.5	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0
GE 3500	61.6	63.3	70.8	75.1	79.4	81.6	82.3	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8
GE 3000	68.3	70.1	78.3	83.3	88.6	90.8	91.5	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0
GE 2500	68.9	71.0	79.4	84.3	89.8	92.0	92.7	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2
GE 2000	70.5	72.5	81.7	86.7	92.7	94.9	95.7	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2
GE 1800	70.5	72.5	81.7	86.7	92.7	94.9	95.7	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2
GE 1500	71.0	73.0	82.9	87.9	93.9	96.1	96.9	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
GE 1200	71.0	73.0	82.9	88.1	94.2	96.8	97.6	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
GE 1000	71.0	73.0	82.9	88.2	94.4	96.9	97.8	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5
GE 900	71.0	73.0	82.9	88.2	94.4	96.9	97.8	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5
GE 800	71.2	73.2	83.1	88.4	94.9	97.6	98.5	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
GE 700	71.2	73.2	83.1	88.4	95.4	98.1	99.0	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
GE 600	71.2	73.2	83.1	88.4	95.4	98.1	99.0	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
GE 500	71.2	73.2	83.1	88.4	95.4	98.1	99.0	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
GE 400	71.2	73.2	83.1	88.4	95.4	98.1	99.0	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
GE 300	71.2	73.2	83.1	88.4	95.4	98.1	99.0	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
GE 200	71.2	73.2	83.1	88.4	95.4	98.1	99.0	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
GE 100	71.2	73.2	83.1	88.4	95.4	98.1	99.0	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
GE 000	71.2	73.2	83.1	88.4	95.4	98.1	99.0	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8

TOTAL NUMBER OF OBSERVATIONS 586

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106530

STATION NAME: GIEBELSTADT AAF GERMANY
LST TO UTC: - 1

PERIOD OF RECORD: OCT 80 - SEP 89
MONTH: JUN HOURS: 06-08

CEILING IN FEET	VISIBILITY IN METERS															
	GE 112	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 08	GE 06	GE 04	GE 00
NO CEIL	17.9	18.1	26.9	29.9	34.7	35.9	36.6	37.5	37.5	37.5	38.4	38.5	38.5	38.5	38.5	38.5
GE 20000	20.0	20.3	29.5	32.8	38.2	39.6	40.3	41.3	41.5	41.5	42.7	43.1	43.1	43.1	43.1	43.1
GE 18000	20.0	20.3	29.5	32.8	38.2	39.6	40.3	41.3	41.5	41.5	42.7	43.1	43.1	43.1	43.1	43.1
GE 16000	20.0	20.3	29.5	32.8	38.5	39.9	40.6	41.7	41.8	41.8	43.1	43.4	43.4	43.4	43.4	43.4
GE 14000	20.1	20.5	29.7	33.0	38.7	40.1	40.8	41.8	42.0	42.0	43.2	43.6	43.6	43.6	43.6	43.6
GE 12000	21.5	22.0	31.6	34.9	40.6	42.0	42.7	43.8	43.9	43.9	45.1	45.5	45.5	45.5	45.5	45.5
GE 10000	22.9	23.4	33.0	36.5	43.4	44.8	45.5	46.9	47.4	47.4	48.6	49.0	49.0	49.0	49.0	49.0
GE 9000	24.0	24.8	34.4	38.0	45.1	46.7	47.4	48.8	49.3	49.3	50.5	50.9	50.9	50.9	50.9	50.9
GE 8000	28.6	30.0	40.3	44.3	52.3	54.2	54.9	56.4	56.9	56.9	58.3	58.9	58.9	58.9	58.9	58.9
GE 7000	31.1	32.5	43.8	47.9	56.9	59.0	59.9	61.5	62.0	62.0	63.4	63.9	63.9	63.9	63.9	63.9
GE 6000	32.3	33.7	45.0	49.5	58.9	60.9	61.8	63.4	63.9	63.9	65.3	65.8	65.8	65.8	65.8	65.8
GE 5000	35.6	37.0	48.8	54.0	64.6	66.8	67.7	69.3	69.8	69.8	71.4	71.9	71.9	71.9	71.9	71.9
GE 4500	36.1	37.5	49.5	54.9	65.5	67.7	68.6	70.1	70.7	70.7	72.2	72.7	72.7	72.7	72.7	72.7
GE 4000	39.9	41.3	54.0	60.8	72.7	75.5	76.6	78.3	79.0	79.0	80.6	81.1	81.1	81.1	81.1	81.1
GE 3500	41.1	42.7	56.3	63.0	76.2	79.0	80.6	82.6	83.3	83.3	84.9	85.4	85.4	85.4	85.4	85.4
GE 3000	43.1	44.6	58.9	66.0	79.5	82.3	83.9	85.9	86.6	86.6	88.2	88.7	88.7	88.7	88.7	88.9
GE 2500	43.1	44.6	59.0	66.1	80.0	82.8	84.4	86.5	87.2	87.2	88.7	89.2	89.2	89.2	89.2	89.4
GE 2000	44.4	46.0	60.4	67.7	82.6	85.6	87.2	89.2	89.9	89.9	91.5	92.0	92.0	92.0	92.0	92.2
GE 1800	44.6	46.2	60.6	67.9	82.8	85.8	87.3	89.4	90.1	90.1	91.7	92.2	92.2	92.2	92.2	92.4
GE 1500	45.1	46.7	61.1	68.8	84.0	87.2	88.7	90.8	91.5	91.5	93.1	93.6	93.6	93.6	93.6	93.8
GE 1200	45.3	46.9	61.3	69.1	84.7	87.8	89.4	91.7	92.4	92.4	93.9	94.4	94.4	94.4	94.4	94.6
GE 1000	45.7	47.2	61.8	69.6	85.2	88.9	90.5	92.7	93.4	93.4	95.0	95.5	95.5	95.5	95.5	95.7
GE 900	45.7	47.2	61.8	69.6	85.2	89.1	90.6	92.9	93.6	93.6	95.1	95.7	95.7	95.7	95.7	95.8
GE 800	45.8	47.4	62.0	69.8	85.4	89.2	90.8	93.1	93.8	93.8	95.3	95.8	95.8	95.8	95.8	96.0
GE 700	45.8	47.4	62.0	70.0	85.6	89.6	91.1	93.4	94.1	94.1	95.7	96.2	96.2	96.2	96.2	96.4
GE 600	45.8	47.4	62.2	70.1	85.8	89.9	91.5	93.8	94.4	94.4	96.0	96.5	96.5	96.5	96.5	96.7
GE 500	45.8	47.4	62.2	70.1	85.8	90.3	91.8	94.4	95.1	95.1	96.9	97.4	97.4	97.4	97.4	97.6
GE 400	45.8	47.4	62.2	70.1	85.8	90.3	91.8	94.6	95.3	95.3	97.0	97.6	97.6	97.6	97.6	97.7
GE 300	45.8	47.4	62.2	70.1	85.8	90.3	91.8	95.0	95.8	95.8	97.7	98.3	98.3	98.3	98.3	99.5
GE 200	45.8	47.4	62.2	70.1	85.8	90.3	91.8	95.0	95.8	95.8	97.7	98.3	98.3	98.3	98.3	99.5
GE 100	45.8	47.4	62.2	70.1	85.8	90.3	91.8	95.0	95.8	95.8	97.9	98.4	98.4	98.4	98.4	99.8
GE 000	45.8	47.4	62.2	70.1	85.8	90.3	91.8	95.0	95.8	95.8	97.9	98.4	98.4	98.4	98.4	100.0

TOTAL NUMBER OF OBSERVATIONS 576

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106530 STATION NAME: GIEBELSTADT AAF GERMANY PERIOD OF RECORD: OCT 80 - SEP 89
LST TO UTC: - 1 MONTH: JUN HOURS: 09-11

CEILING IN FEET	VISIBILITY IN METERS															
	GE 112	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 08	GE 06	GE 04	GE 00
NO CEIL	30.0	30.9	34.6	36.7	37.5	38.2	38.2	38.7	38.7	38.7	38.7	38.7	38.7	38.7	38.7	38.7
GE 20000	34.0	35.2	39.4	42.0	43.2	43.9	44.0	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5
GE 18000	34.0	35.2	39.4	42.0	43.2	43.9	44.0	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5
GE 16000	34.0	35.2	39.4	42.0	43.2	43.9	44.0	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5
GE 14000	34.8	36.0	40.3	42.8	44.6	44.7	44.9	45.4	45.4	45.4	45.4	45.4	45.4	45.4	45.4	45.4
GE 12000	35.7	36.9	41.1	43.7	44.9	45.6	45.7	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2
GE 10000	38.9	40.1	45.2	48.0	49.3	50.2	50.3	50.9	50.9	50.9	50.9	50.9	50.9	50.9	50.9	50.9
GE 9000	40.3	41.5	46.6	49.7	51.2	52.0	52.2	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7
GE 8000	43.9	45.1	50.7	53.9	55.6	56.7	56.8	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3
GE 7000	46.9	48.1	54.1	57.5	59.4	60.4	60.6	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1
GE 6000	48.1	49.5	55.5	58.9	60.9	61.9	62.1	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6
GE 5000	50.5	51.9	58.0	61.6	65.4	66.6	66.7	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2
GE 4500	52.7	54.3	60.4	64.0	67.9	69.1	69.3	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8
GE 4000	57.7	59.2	66.0	70.0	73.9	75.8	76.5	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0
GE 3500	61.6	63.3	70.8	75.1	79.4	81.6	82.3	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8
GE 3000	68.3	70.1	78.3	83.3	88.6	90.8	91.5	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0
GE 2500	68.9	71.0	79.4	84.3	89.8	92.0	92.7	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2
GE 2000	70.5	72.5	81.7	86.7	92.7	94.9	95.7	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2
GE 1800	70.5	72.5	81.7	86.7	92.7	94.9	95.7	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2
GE 1500	71.0	73.0	82.9	87.9	93.9	96.1	96.9	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
GE 1200	71.0	73.0	82.9	88.1	94.2	96.8	97.6	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
GE 1000	71.0	73.0	82.9	88.2	94.4	96.9	97.8	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5
GE 900	71.0	73.0	82.9	88.2	94.4	96.9	97.8	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5
GE 800	71.2	73.2	83.1	88.4	94.9	97.6	98.5	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
GE 700	71.2	73.2	83.1	88.4	95.4	98.1	99.0	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
GE 600	71.2	73.2	83.1	88.4	95.4	98.1	99.0	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
GE 500	71.2	73.2	83.1	88.4	95.4	98.1	99.0	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
GE 400	71.2	73.2	83.1	88.4	95.4	98.1	99.0	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
GE 300	71.2	73.2	83.1	88.4	95.4	98.1	99.0	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
GE 200	71.2	73.2	83.1	88.4	95.4	98.1	99.0	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
GE 100	71.2	73.2	83.1	88.4	95.4	98.1	99.0	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
GE 000	71.2	73.2	83.1	88.4	95.4	98.1	99.0	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8

TOTAL NUMBER OF OBSERVATIONS 586

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106530 STATION NAME: GIEBELSTADT AAF GERMANY
LST TO UTC: - 1 PERIOD OF RECORD: OCT 80 - SEP 89
MONTH: JUN HOURS: 06-08

CEILING IN FEET	VISIBILITY IN METERS															
	GE 112	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 08	GE 06	GE 04	GE 00
NO CEIL	17.9	18.1	26.9	29.9	34.7	35.9	36.6	37.5	37.5	37.5	38.4	38.5	38.5	38.5	38.5	38.5
GE 20000	20.0	20.3	29.5	32.8	38.2	39.6	40.3	41.3	41.5	41.5	42.7	43.1	43.1	43.1	43.1	43.1
GE 18000	20.0	20.3	29.5	32.8	38.2	39.6	40.3	41.3	41.5	41.5	42.7	43.1	43.1	43.1	43.1	43.1
GE 16000	20.0	20.3	29.5	32.8	38.5	39.9	40.6	41.7	41.8	41.8	43.1	43.4	43.4	43.4	43.4	43.4
GE 14000	20.1	20.5	29.7	33.0	38.7	40.1	40.8	41.8	42.0	42.0	43.2	43.6	43.6	43.6	43.6	43.6
GE 12000	21.5	22.0	31.6	34.9	40.6	42.0	42.7	43.8	43.9	43.9	45.1	45.5	45.5	45.5	45.5	45.5
GE 10000	22.9	23.4	33.0	36.5	43.4	44.8	45.5	46.9	47.4	47.4	48.6	49.0	49.0	49.0	49.0	49.0
GE 9000	24.0	24.8	34.4	38.0	45.1	46.7	47.4	48.8	49.3	49.3	50.5	50.9	50.9	50.9	50.9	50.9
GE 8000	28.6	30.0	40.3	44.3	52.3	54.2	54.9	56.4	56.9	56.9	58.3	58.9	58.9	58.9	58.9	58.9
GE 7000	31.1	32.5	43.8	47.9	56.9	59.0	59.9	61.5	62.0	62.0	63.4	63.9	63.9	63.9	63.9	63.9
GE 6000	32.3	33.7	45.0	49.5	58.9	60.9	61.8	63.4	63.9	63.9	65.8	65.8	65.8	65.8	65.8	65.8
GE 5000	35.6	37.0	48.8	54.0	64.6	66.8	67.7	69.3	69.8	69.8	71.4	71.9	71.9	71.9	71.9	71.9
GE 4500	36.1	37.5	49.5	54.9	65.5	67.7	68.6	70.1	70.7	70.7	72.2	72.7	72.7	72.7	72.7	72.7
GE 4000	39.9	41.3	54.0	60.8	72.7	75.5	76.6	78.3	79.0	79.0	80.6	81.1	81.1	81.1	81.1	81.1
GE 3500	41.1	42.7	56.3	63.0	76.2	79.0	80.6	82.6	83.3	83.3	84.9	85.4	85.4	85.4	85.4	85.4
GE 3000	43.1	44.6	58.9	66.0	79.5	82.3	83.9	85.9	86.6	86.6	88.2	88.7	88.7	88.7	88.7	88.7
GE 2500	43.1	44.6	59.0	66.1	80.0	82.8	84.4	86.5	87.2	87.2	88.7	89.2	89.2	89.2	89.2	89.4
GE 2000	44.4	46.0	60.4	67.7	82.6	85.6	87.2	89.2	89.9	89.9	91.5	92.0	92.0	92.0	92.0	92.2
GE 1800	44.6	46.2	60.6	67.9	82.8	85.8	87.3	89.4	90.1	90.1	91.7	92.2	92.2	92.2	92.2	92.4
GE 1500	45.1	46.7	61.1	68.8	84.0	87.2	88.7	90.8	91.5	91.5	93.1	93.6	93.6	93.6	93.6	93.8
GE 1200	45.3	46.9	61.3	69.1	84.7	87.8	89.4	91.7	92.4	92.4	93.9	94.4	94.4	94.4	94.4	94.6
GE 1000	45.7	47.2	61.8	69.6	85.2	88.9	90.5	92.7	93.4	93.4	95.0	95.5	95.5	95.5	95.5	95.7
GE 900	45.7	47.2	61.8	69.6	85.2	89.1	90.6	92.9	93.6	93.6	95.1	95.7	95.7	95.7	95.7	95.8
GE 800	45.8	47.4	62.0	69.8	85.4	89.2	90.8	93.1	93.8	93.8	95.3	95.8	95.8	95.8	95.8	96.0
GE 700	45.8	47.4	62.0	70.0	85.6	89.6	91.1	93.4	94.1	94.1	95.7	96.2	96.2	96.2	96.2	96.4
GE 600	45.8	47.4	62.2	70.1	85.8	89.9	91.5	93.8	94.4	94.4	96.0	96.5	96.5	96.5	96.5	96.7
GE 500	45.8	47.4	62.2	70.1	85.8	90.3	91.8	94.4	95.1	95.1	96.9	97.4	97.4	97.4	97.4	97.6
GE 400	45.8	47.4	62.2	70.1	85.8	90.3	91.8	94.6	95.3	95.3	97.0	97.6	97.6	97.6	97.6	97.7
GE 300	45.8	47.4	62.2	70.1	85.8	90.3	91.8	95.0	95.8	95.8	97.7	98.3	98.3	98.3	98.3	99.5
GE 200	45.8	47.4	62.2	70.1	85.8	90.3	91.8	95.0	95.8	95.8	97.7	98.3	98.3	98.3	98.3	99.5
GE 100	45.8	47.4	62.2	70.1	85.8	90.3	91.8	95.0	95.8	95.8	97.9	98.4	98.4	98.4	98.4	99.8
GE 000	45.8	47.4	62.2	70.1	85.8	90.3	91.8	95.0	95.8	95.8	97.9	98.4	98.4	98.4	98.4	100.0

TOTAL NUMBER OF OBSERVATIONS 576

OPERATING LOCATION NAME
USAFA TAC ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106530 STATION NAME: GIEBELSTADT AAF GERMANY PERIOD OF RECORD: OCT 80 - SEP 89
LST TO UTC: - 1 MONTH: JUN HOURS: 09-11

CEILING FEET	VISIBILITY IN METERS														
	06 00	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 08	GE 06	GE 04	GE 00
NO CEIL	30.0	30.9	34.6	36.7	37.5	38.2	38.2	38.7	38.7	38.7	38.7	38.7	38.7	38.7	38.7
GE 2000	34.0	35.2	39.4	42.0	43.2	43.9	44.0	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5
GE 18000	34.0	35.2	39.4	42.0	43.2	43.9	44.0	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5
GE 18000	34.0	35.2	39.4	42.0	43.2	43.9	44.0	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5
GE 16000	34.0	36.0	40.3	42.8	44.0	44.7	44.9	45.4	45.4	45.4	45.4	45.4	45.4	45.4	45.4
GE 12000	35.7	36.9	41.1	43.7	44.9	45.6	45.7	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2
GE 10000	39.9	40.1	45.2	48.0	49.3	50.2	50.3	50.9	50.9	50.9	50.9	50.9	50.9	50.9	50.9
GE 9000	41.5	41.5	46.6	49.7	51.2	52.0	52.2	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7
GE 8000	43.9	45.1	50.7	53.9	55.6	56.7	56.8	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3
GE 7000	46.9	48.1	54.1	57.5	59.4	60.4	60.6	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1
GE 6000	48.1	49.5	55.5	58.9	60.9	61.9	62.1	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6
GE 5000	50.5	51.9	58.0	61.6	65.4	66.6	66.7	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2
GE 4500	52.7	54.3	60.4	64.0	67.9	69.1	69.3	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8
GE 4000	57.7	59.2	66.0	70.0	73.9	75.8	76.5	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0
GE 3500	61.6	63.3	70.8	75.1	79.4	81.6	82.3	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8
GE 3000	68.3	70.1	78.3	83.3	88.6	90.8	91.5	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0
GE 2500	71.0	71.0	79.4	84.3	89.8	92.0	92.7	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2
GE 2000	71.5	72.3	81.7	86.7	92.7	94.9	95.7	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2
GE 1800	71.5	72.5	81.7	86.7	92.7	94.9	95.7	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2
GE 1500	71.0	73.0	82.9	87.9	93.9	96.1	96.9	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
GE 1200	71.0	73.0	82.9	88.1	94.2	96.8	97.6	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
GE 1000	71.0	73.0	82.9	88.2	94.4	96.9	97.8	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5
GE 900	71.0	73.0	82.9	88.2	94.4	96.9	97.8	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5
GE 800	71.2	73.2	83.1	88.4	94.9	97.6	98.5	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
GE 700	71.2	73.2	83.1	88.4	95.4	98.1	99.0	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
GE 600	71.2	73.2	83.1	88.4	95.4	98.1	99.0	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
GE 500	71.2	73.2	83.1	88.4	95.4	98.1	99.0	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
GE 400	71.2	73.2	83.1	88.4	95.4	98.1	99.0	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
GE 300	71.2	73.2	83.1	88.4	95.4	98.1	99.0	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
GE 200	71.2	73.2	83.1	88.4	95.4	98.1	99.0	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
GE 100	71.2	73.2	83.1	88.4	95.4	98.1	99.0	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
GE 000	71.2	73.2	83.1	88.4	95.4	98.1	99.0	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8

TOTAL NUMBER OF OBSERVATIONS 586

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106530

STATION NAME: GIEBELSTADT AAF GERMANY
LST TO UTC: - 1

PERIOD OF RECORD: OCT 80 - SEP 89
MONTH: JUN HOURS: 12-14

CEILING IN FEET	VISIBILITY IN METERS															
	GE 112	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 08	GE 06	GE 04	GE 00
NO CEIL	32.6	33.8	35.7	35.9	36.0	36.4	36.4	36.4	36.4	36.4	36.4	36.4	36.4	36.4	36.4	36.4
GE 20000	38.5	40.0	42.8	43.0	43.5	43.8	43.8	43.8	43.8	43.8	43.8	43.8	43.8	43.8	43.8	43.8
GE 18000	38.5	40.0	42.8	43.0	43.5	43.8	43.8	43.8	43.8	43.8	43.8	43.8	43.8	43.8	43.8	43.8
GE 16000	38.5	40.0	42.8	43.0	43.5	43.8	43.8	43.8	43.8	43.8	43.8	43.8	43.8	43.8	43.8	43.8
GE 14000	38.8	40.4	43.2	43.3	43.8	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2
GE 12000	39.7	41.2	44.0	44.2	44.7	45.1	45.1	45.1	45.1	45.1	45.1	45.1	45.1	45.1	45.1	45.1
GE 10000	44.2	45.8	48.7	48.9	49.4	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7
GE 9000	45.2	47.0	49.9	50.1	50.6	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0
GE 8000	49.6	51.3	54.8	55.3	55.8	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2
GE 7000	51.6	53.4	56.8	57.4	57.9	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2
GE 6000	52.3	54.1	57.5	58.1	58.6	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9
GE 5000	57.9	59.6	64.0	64.5	65.0	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3
GE 4500	59.6	61.4	65.9	66.6	67.1	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4
GE 4000	65.0	67.2	72.4	73.7	74.9	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6
GE 3500	71.1	73.5	79.5	81.5	82.8	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5
GE 3000	79.9	82.8	90.3	92.2	93.9	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8
GE 2500	80.9	84.1	91.5	93.4	95.8	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9
GE 2000	82.1	85.3	92.9	94.8	97.2	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
GE 1800	82.1	85.3	92.9	94.8	97.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6
GE 1500	82.8	86.0	93.6	95.5	98.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
GE 1200	83.0	86.1	93.8	95.7	98.4	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
GE 1000	83.0	86.1	93.8	95.7	98.4	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
GE 900	83.0	86.1	93.8	95.8	98.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
GE 800	83.0	86.1	93.8	96.0	99.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 700	83.0	86.1	93.8	96.0	99.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 600	83.0	86.1	93.8	96.0	99.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 500	83.0	86.1	93.8	96.0	99.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 400	83.0	86.1	93.8	96.0	99.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 300	83.0	86.1	93.8	96.0	99.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 200	83.0	86.1	93.8	96.0	99.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 100	83.0	86.1	93.8	96.0	99.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 000	83.0	86.1	93.8	96.0	99.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 577

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106530 STATION NAME: GIEBELSTADT AAF GERMANY PERIOD OF RECORD: OCT 80 - SEP 89
LST TO UTC: - 1 MONTH: JUN HOURS: 15-17

CEILING IN FEET	VISIBILITY IN METERS															
	GE 112	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 08	GE 06	GE 04	GE 00
NO CEIL	35.7	38.4	39.9	39.9	40.2	40.2	40.2	40.2	40.2	40.2	40.2	40.2	40.2	40.2	40.2	40.2
GE 20000	44.2	47.4	49.2	49.2	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6
GE 18000	44.2	47.4	49.2	49.2	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6
GE 16000	44.5	47.8	49.6	49.6	49.9	49.9	49.9	49.9	49.9	49.9	49.9	49.9	49.9	49.9	49.9	49.9
GE 14000	44.5	47.8	49.6	49.6	49.9	49.9	49.9	49.9	49.9	49.9	49.9	49.9	49.9	49.9	49.9	49.9
GE 12000	45.4	48.7	50.4	50.4	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.8
GE 10000	48.7	51.9	53.7	53.9	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2
GE 9000	49.9	53.1	55.3	55.5	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8
GE 8000	56.2	59.4	62.3	62.5	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8
GE 7000	57.6	61.0	63.9	64.1	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5
GE 6000	58.3	61.8	65.0	65.2	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5
GE 5000	64.3	68.8	72.5	72.7	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1
GE 4500	66.6	71.1	74.9	75.0	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4
GE 400	74.5	79.0	83.5	83.8	84.6	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7
GE 3500	79.0	83.7	88.5	89.2	90.1	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3
GE 3000	83.7	88.3	94.3	95.9	97.3	97.5	97.5	97.5	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7
GE 2500	84.4	89.0	95.2	96.9	98.4	98.6	98.6	98.6	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
GE 2000	85.1	89.8	95.9	97.7	99.1	99.3	99.3	99.3	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
GE 1800	85.1	89.8	95.9	97.7	99.1	99.3	99.3	99.3	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
GE 1500	85.1	89.8	95.9	97.7	99.1	99.3	99.3	99.5	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
GE 1200	85.1	89.8	95.9	97.7	99.1	99.3	99.5	99.5	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
GE 1000	85.1	89.8	95.9	97.7	99.1	99.3	99.5	99.6	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
GE 900	85.1	89.8	96.1	97.8	99.3	99.5	99.6	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 800	85.1	89.8	96.1	97.8	99.3	99.5	99.6	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 700	85.1	89.8	96.1	97.8	99.3	99.5	99.6	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 600	85.1	89.8	96.1	97.8	99.3	99.5	99.6	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 500	85.1	89.8	96.1	97.8	99.3	99.5	99.6	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 400	85.1	89.8	96.1	97.8	99.3	99.5	99.6	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 300	85.1	89.8	96.1	97.8	99.3	99.5	99.6	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 200	85.1	89.8	96.1	97.8	99.3	99.5	99.6	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 100	85.1	89.8	96.1	97.8	99.3	99.5	99.6	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 000	85.1	89.8	96.1	97.8	99.3	99.5	99.6	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 557

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSU VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 105530

STATION NAME: GIEBELSTADT AAF GERMANY
LST TO UTC: - 1

PERIOD OF RECORD: OCT 80 - SEP 89
MONTH: JUN HOURS: 18-20

CEILING IN FEET	VISIBILITY IN METERS															
	GE 112	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 08	GE 06	GE 04	GE 00
NO CEIL	42.4	43.3	45.1	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7
GE 20000	50.8	51.8	53.9	54.5	54.5	54.5	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7
GE 18000	51.6	52.5	54.7	55.3	55.3	55.3	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5
GE 16000	51.6	52.5	54.7	55.3	55.3	55.3	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5
GE 14000	51.8	52.7	54.9	55.5	55.5	55.5	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7
GE 12000	52.5	53.5	55.7	56.3	56.3	56.3	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5
GE 10000	55.7	57.3	59.6	60.4	60.4	60.4	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6
GE 9000	57.3	58.8	61.8	62.5	62.7	62.7	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9
GE 8000	62.9	64.9	68.6	69.4	70.2	70.2	70.4	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6
GE 7000	65.5	67.5	71.2	72.0	72.7	72.7	72.9	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1
GE 6000	66.3	68.2	72.4	73.1	73.9	73.9	74.1	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3
GE 5000	72.4	74.3	79.0	80.0	81.0	81.0	81.2	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4
GE 4500	74.5	76.5	81.2	82.2	83.1	83.1	83.3	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5
GE 4000	79.6	82.2	88.0	89.2	90.2	90.2	90.4	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6
GE 3500	82.0	84.5	91.0	92.2	93.3	93.5	93.7	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1
GE 3000	83.5	86.1	93.3	94.7	96.1	96.7	96.9	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3
GE 2500	83.7	86.3	93.5	94.9	96.3	96.9	97.1	97.5	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6
GE 2000	84.3	86.9	94.9	96.5	97.8	98.6	98.8	99.2	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
GE 1800	84.3	86.9	94.9	96.5	97.8	98.6	98.8	99.2	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
GE 1500	84.3	86.9	94.9	96.5	97.8	98.6	98.8	99.4	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
GE 1200	84.3	86.9	94.9	96.5	97.8	98.6	98.8	99.4	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
GE 1000	84.3	86.9	94.9	96.5	98.0	98.8	99.0	99.6	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
GE 900	84.3	86.9	94.9	96.5	98.0	99.0	99.2	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 800	84.3	86.9	94.9	96.5	98.0	99.0	99.2	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 700	84.3	86.9	94.9	96.5	98.0	99.0	99.2	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 600	84.3	86.9	94.9	96.5	98.0	99.0	99.2	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 500	84.3	86.9	94.9	96.5	98.0	99.0	99.2	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 400	84.3	86.9	94.9	96.5	98.0	99.0	99.2	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 300	84.3	86.9	94.9	96.5	98.0	99.0	99.2	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 200	84.3	86.9	94.9	96.5	98.0	99.0	99.2	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 100	84.3	86.9	94.9	96.5	98.0	99.0	99.2	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 000	84.3	86.9	94.9	96.5	98.0	99.0	99.2	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 510

OPERATING LOCATION "A"
USAFTAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106530 STATION NAME: GIEBELSTADT AAF GERMANY PERIOD OF RECORD: OCT 80 - SEP 89
LST TO UTC: - 1 MONTH: JUN HOURS: 21-23

CEILING IN FEET	VISIBILITY IN METERS															
	GE 112	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 08	GE 06	GE 04	GE 00
NO CEIL	40.9	43.0	45.1	46.0	49.8	50.2	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1
GE 20000	45.1	47.2	49.4	50.2	54.0	54.5	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3
GE 18000	46.8	48.9	51.1	51.9	55.7	56.2	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0
GE 16000	46.8	48.9	51.1	51.9	55.7	56.2	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0
GE 14000	46.8	48.9	51.1	51.9	55.7	56.2	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0
GE 12000	46.8	48.9	51.1	51.9	55.7	56.2	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0
GE 10000	50.6	52.8	55.3	56.6	60.4	60.9	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7
GE 9000	51.1	53.2	55.7	57.0	61.3	61.7	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6
GE 8000	53.2	55.7	58.3	60.0	64.3	64.7	65.5	65.5	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0
GE 7000	54.5	57.4	60.4	62.1	66.8	67.2	68.1	68.1	68.	68.5	68.5	68.5	68.5	68.5	68.5	68.5
GE 6000	55.3	58.3	61.7	63.4	68.1	68.5	69.4	69.4	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8
GE 5000	63.0	66.0	70.2	72.3	77.4	77.9	78.7	78.7	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1
GE 4500	63.8	66.8	71.1	73.6	79.1	79.6	80.9	80.9	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3
GE 4000	68.9	71.9	76.2	79.6	85.5	86.0	87.2	87.2	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7
GE 3500	73.6	77.0	81.7	85.1	91.9	92.3	93.6	94.0	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5
GE 3000	74.9	79.1	84.3	87.7	94.5	95.3	96.6	97.0	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
GE 2500	74.9	79.1	84.3	87.7	94.9	95.7	97.4	97.9	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
GE 2000	74.9	79.1	84.7	88.1	96.2	97.0	98.7	99.1	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
GE 1800	74.9	79.1	84.7	88.1	96.2	97.0	98.7	99.1	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
GE 1500	74.9	79.1	84.7	88.1	96.2	97.0	98.7	99.1	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
GE 1200	74.9	79.1	84.7	88.1	96.2	97.0	98.7	99.1	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
GE 1000	74.9	79.1	84.7	88.1	96.2	97.0	98.7	99.1	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 900	74.9	79.1	84.7	88.1	96.2	97.0	98.7	99.1	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 800	74.9	79.1	84.7	88.1	96.2	97.0	98.7	99.1	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 700	74.9	79.1	84.7	88.1	96.2	97.0	98.7	99.1	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 600	74.9	79.1	84.7	88.1	96.2	97.0	98.7	99.1	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 500	74.9	79.1	84.7	88.1	96.2	97.0	98.7	99.1	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 400	74.9	79.1	84.7	88.1	96.2	97.0	98.7	99.1	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 300	74.9	79.1	84.7	88.1	96.2	97.0	98.7	99.1	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 200	74.9	79.1	84.7	88.1	96.2	97.0	98.7	99.1	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 100	74.9	79.1	84.7	88.1	96.2	97.0	98.7	99.1	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 000	74.9	79.1	84.7	88.1	96.2	97.0	98.7	99.1	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 235

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106530 STATION NAME: GIEBELSTADT AAF GERMANY
LST TO UTC: - 1 PERIOD OF RECORD: OCT 80 - SEP 89
MONTH: JUN HOURS: ALL

CEILING IN FEET	VISIBILITY IN METERS															
	112	90	80	60	48	40	32	24	20	16	12	10	08	06	04	00
NO CEIL	32.2	33.4	36.9	38.0	39.5	40.0	40.2	40.4	40.4	40.6	40.6	40.6	40.6	40.6	40.6	40.6
GE 20000	37.7	39.2	43.2	44.5	46.2	46.7	47.0	47.3	47.3	47.5	47.6	47.6	47.6	47.6	47.6	47.6
GE 18000	38.0	39.5	43.4	44.8	46.5	47.0	47.2	47.5	47.6	47.6	47.8	47.8	47.8	47.8	47.8	47.8
GE 16000	38.0	39.6	43.5	44.8	46.6	47.1	47.4	47.6	47.7	47.7	47.9	48.0	48.0	48.0	48.0	48.0
GE 14000	38.3	39.9	43.8	45.1	46.9	47.4	47.6	47.9	48.0	48.0	48.2	48.3	48.3	48.3	48.3	48.3
GE 12000	39.2	40.8	44.8	46.1	47.9	48.4	48.6	48.9	49.0	49.0	49.2	49.3	49.3	49.3	49.3	49.3
GE 10000	42.4	44.0	48.3	49.8	51.8	52.4	52.6	53.0	53.1	53.1	53.3	53.4	53.4	53.4	53.4	53.4
GE 9000	43.6	45.3	49.8	51.3	53.5	54.1	54.3	54.7	54.8	54.8	55.0	55.1	55.1	55.1	55.1	55.1
GE 8000	48.2	50.2	55.2	57.0	59.5	60.1	60.4	60.8	60.9	60.9	61.2	61.3	61.3	61.3	61.3	61.3
GE 7000	50.5	52.5	57.8	59.7	62.4	63.1	63.4	63.8	63.9	63.9	64.2	64.3	64.3	64.3	64.3	64.3
GE 6000	51.4	53.4	58.9	60.8	63.7	64.4	64.6	65.1	65.2	65.2	65.5	65.6	65.6	65.6	65.6	65.6
GE 5000	56.2	58.5	64.5	66.7	70.1	70.9	71.2	71.6	71.7	71.7	72.0	72.1	72.1	72.1	72.1	72.1
GE 4500	57.9	60.2	66.3	68.6	72.1	72.8	73.2	73.6	73.7	73.7	74.0	74.1	74.1	74.1	74.1	74.1
GE 4000	63.3	65.8	72.6	75.4	79.4	80.5	81.0	81.5	81.6	81.6	81.9	82.0	82.0	82.0	82.0	82.0
GE 3500	67.1	69.7	77.2	80.2	84.7	85.9	86.5	87.0	87.2	87.2	87.5	87.6	87.6	87.6	87.6	87.6
GE 3000	71.6	74.4	82.8	86.3	91.2	92.5	93.1	93.7	93.9	93.9	94.1	94.2	94.2	94.2	94.2	94.3
GE 2500	72.1	75.0	83.5	86.9	92.1	93.5	94.1	94.7	94.9	94.9	95.2	95.3	95.3	95.3	95.3	95.3
GE 2000	73.1	76.0	84.8	88.4	93.9	95.4	96.0	96.6	96.8	96.8	97.1	97.2	97.2	97.2	97.2	97.2
GE 1800	73.1	76.0	84.9	88.4	94.0	95.5	96.1	96.7	96.9	96.9	97.2	97.3	97.3	97.3	97.3	97.3
GE 1500	73.5	76.4	85.3	89.0	94.6	96.1	96.7	97.4	97.6	97.6	97.9	98.0	98.0	98.0	98.0	98.0
GE 1200	73.5	76.4	85.4	89.1	94.9	96.4	97.0	97.7	97.9	97.9	98.2	98.3	98.3	98.3	98.3	98.4
GE 1000	73.5	76.5	85.5	89.2	95.0	96.6	97.3	98.0	98.3	98.3	98.6	98.7	98.7	98.7	98.7	98.7
GE 900	73.6	76.5	85.5	89.3	95.1	96.8	97.4	98.2	98.4	98.4	98.7	98.8	98.8	98.8	98.8	98.8
GE 800	73.7	76.6	85.6	89.4	95.3	97.0	97.7	98.4	98.7	98.7	98.9	99.0	99.0	99.0	99.0	99.1
GE 700	73.7	76.6	85.6	89.4	95.4	97.2	97.8	98.6	98.8	98.8	99.1	99.2	99.2	99.2	99.2	99.2
GE 600	73.7	76.6	85.6	89.4	95.5	97.2	97.9	98.6	98.9	98.9	99.2	99.3	99.3	99.3	99.3	99.3
GE 500	73.7	76.6	85.6	89.4	95.5	97.3	98.0	98.8	99.0	99.0	99.4	99.5	99.5	99.5	99.5	99.5
GE 400	73.7	76.6	85.6	89.4	95.5	97.3	98.0	98.8	99.1	99.1	99.4	99.5	99.5	99.5	99.5	99.5
GE 300	73.7	76.6	85.6	89.4	95.5	97.3	98.0	98.9	99.2	99.2	99.5	99.6	99.6	99.6	99.7	99.9
GE 200	73.7	76.6	85.6	89.4	95.5	97.3	98.0	98.9	99.2	99.2	99.5	99.6	99.6	99.6	99.7	99.9
GE 100	73.7	76.6	85.6	89.4	95.5	97.3	98.0	98.9	99.2	99.2	99.6	99.7	99.7	99.7	99.7	100.0
GE 000	73.7	76.6	85.6	89.4	95.5	97.3	98.0	98.9	99.2	99.2	99.6	99.7	99.7	99.7	99.7	100.0

TOTAL NUMBER OF OBSERVATIONS 3041

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106530 STATION NAME: GIEBELSTADT AAF GERMANY PERIOD OF RECORD: OCT 80 - SEP 89
LST TO UTC: - 1 MONTH: JUL HOURS: 06-08

CEILING IN FEET	VISIBILITY IN METERS															
	GE 112	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 08	GE 06	GE 04	GE 00
NO CEIL	19.9	20.6	27.3	33.7	41.5	42.7	43.6	44.7	44.7	45.4	45.9	45.9	45.9	45.9	45.9	45.9
GE 20000	21.5	22.2	30.5	37.4	45.9	47.3	48.2	49.3	49.3	50.0	50.5	50.5	50.5	50.5	50.5	50.5
GE 18000	21.6	22.3	31.0	37.9	46.5	47.9	48.8	49.8	49.8	50.5	51.1	51.1	51.1	51.1	51.1	51.1
GE 16000	21.8	22.5	31.2	38.3	46.8	48.2	49.1	50.2	50.2	50.9	51.4	51.4	51.4	51.4	51.4	51.4
GE 14000	22.0	22.7	31.4	38.5	47.0	48.4	49.3	50.4	50.4	51.1	51.6	51.6	51.6	51.6	51.6	51.6
GE 12000	22.7	23.4	32.3	39.4	47.9	49.3	50.2	51.2	51.2	52.0	52.5	52.5	52.5	52.5	52.5	52.5
GE 10000	23.0	23.9	33.2	40.4	48.9	50.5	51.4	52.5	52.5	53.2	53.7	53.7	53.7	53.7	53.7	53.7
GE 9000	23.2	24.3	34.6	42.2	51.6	53.4	54.3	55.3	55.3	56.4	56.9	56.9	56.9	56.9	56.9	56.9
GE 8000	25.9	27.1	38.7	46.8	57.1	59.4	60.8	62.1	62.4	63.8	64.4	64.4	64.4	64.4	64.4	64.4
GE 7000	27.7	28.9	40.6	49.6	60.5	63.3	64.9	66.1	66.7	68.1	68.6	68.6	68.6	68.6	68.6	68.8
GE 6000	28.0	29.3	41.3	50.7	61.5	64.4	66.0	67.2	67.7	69.1	69.7	69.7	69.7	69.7	69.7	69.9
GE 5000	30.0	31.4	43.6	54.1	65.6	69.1	70.7	72.0	72.5	73.9	74.5	74.5	74.5	74.5	74.5	74.6
GE 4500	30.1	31.6	44.5	55.5	67.6	71.6	73.2	75.0	75.5	77.0	77.5	77.5	77.5	77.5	77.5	77.7
GE 4000	33.2	35.1	50.4	61.7	75.2	80.0	81.7	84.0	84.8	86.3	86.9	86.9	86.9	86.9	86.9	87.1
GE 3500	35.1	37.1	53.5	65.4	79.6	84.8	86.5	89.0	89.7	91.3	92.0	92.0	92.2	92.2	92.2	92.4
GE 3000	36.0	37.9	54.4	66.5	81.6	87.4	89.4	92.2	92.9	94.9	95.6	95.6	95.7	95.7	95.7	95.9
GE 2500	36.3	38.3	55.0	67.2	82.4	88.3	90.2	93.1	93.8	95.7	96.5	96.5	96.6	96.6	96.6	96.8
GE 2000	36.3	38.3	55.1	67.6	82.8	88.7	90.6	93.4	94.3	96.5	97.2	97.2	97.3	97.3	97.3	97.5
GE 1800	36.3	38.3	55.1	67.7	83.0	88.8	90.8	93.6	94.5	96.6	97.3	97.3	97.5	97.5	97.5	97.7
GE 1500	36.3	38.3	55.1	67.7	83.5	89.4	91.5	94.3	95.2	97.3	98.0	98.0	98.2	98.2	98.2	98.4
GE 1200	36.3	38.3	55.5	68.1	83.9	89.7	91.8	94.7	95.6	97.7	98.4	98.4	98.6	98.6	98.6	98.8
GE 1000	36.3	38.3	55.5	68.1	83.9	89.7	91.8	94.7	95.6	97.9	98.6	98.6	98.8	98.8	98.8	98.9
GE 900	36.3	38.3	55.5	68.1	83.9	89.7	91.8	94.7	95.6	97.9	98.6	98.6	98.8	98.8	98.8	98.9
GE 800	36.3	38.3	55.5	68.1	83.9	89.7	91.8	94.7	95.6	97.9	98.6	98.6	98.8	98.8	98.8	98.9
GE 700	36.3	38.3	55.5	68.1	83.9	89.7	91.8	94.7	95.6	97.9	98.9	98.9	99.1	99.1	99.1	99.3
GE 600	36.3	38.3	55.5	68.1	83.9	89.7	91.8	94.7	95.6	97.9	98.9	98.9	99.1	99.1	99.1	99.3
GE 500	36.3	38.3	55.5	68.1	83.9	89.7	91.8	94.7	95.6	97.9	98.9	98.9	99.1	99.1	99.3	99.5
GE 400	36.3	38.3	55.5	68.1	83.9	89.7	91.8	94.7	95.6	97.9	98.9	98.9	99.1	99.1	99.3	99.5
GE 300	36.3	38.3	55.5	68.1	83.9	89.7	91.8	94.7	95.6	97.9	98.9	98.9	99.1	99.1	99.3	99.5
GE 200	36.3	38.3	55.5	68.1	83.9	89.7	91.8	94.7	95.6	97.9	98.9	98.9	99.1	99.1	99.3	100.0
GE 100	36.3	38.3	55.5	68.1	83.9	89.7	91.8	94.7	95.6	97.9	98.9	98.9	99.1	99.1	99.3	100.0
GE 000	36.3	38.3	55.5	68.1	83.9	89.7	91.8	94.7	95.6	97.9	98.9	98.9	99.1	99.1	99.3	100.0

TOTAL NUMBER OF OBSERVATIONS 564

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106530

STATION NAME: GIEBELSTADT AAF GERMANY
LST TO UTC: - 1

PERIOD OF RECORD: OCT 80 - SEP 89
MONTH: JUL HOURS: 09-11

CEILING IN FEET	VISIBILITY IN METERS															
	GE 112	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 08	GE 06	GE 04	GE 00
NO CEIL	29.7	30.7	38.5	41.9	45.6	45.8	45.8	45.8	45.8	45.8	45.8	45.8	45.8	45.8	45.8	45.8
GE 20000	32.2	33.6	41.7	45.2	49.3	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5
GE 18000	32.5	33.9	42.4	45.9	50.0	50.2	50.2	50.2	50.2	50.2	50.2	50.2	50.2	50.2	50.2	50.2
GE 16000	32.7	34.1	42.6	46.1	50.2	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4
GE 14000	32.9	34.3	42.8	46.3	50.4	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5
GE 12000	33.4	35.2	43.6	47.2	51.2	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4
GE 10000	34.3	36.0	44.9	48.8	52.8	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0
GE 9000	36.9	38.7	48.1	52.1	56.4	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5
GE 8000	39.6	41.7	52.1	56.2	60.4	61.0	61.5	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8
GE 7000	41.9	44.0	54.6	58.7	63.1	63.6	64.1	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5
GE 6000	41.9	44.0	54.6	58.7	63.4	64.0	64.5	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8
GE 5000	44.3	46.5	58.3	62.7	67.7	68.2	68.7	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1
GE 4500	45.9	48.4	60.4	64.8	70.3	71.2	71.7	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1
GE 4000	50.7	53.2	65.7	70.8	77.4	78.8	79.3	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7
GE 3500	53.7	56.7	70.7	76.3	83.6	85.3	85.9	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2
GE 3000	57.4	60.6	75.4	81.8	89.9	91.9	92.6	93.3	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5
GE 2500	57.8	61.1	76.1	82.9	91.3	93.3	94.0	94.7	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9
GE 2000	58.1	61.5	76.5	83.7	92.6	94.5	95.2	95.9	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1
GE 1800	58.1	61.5	76.7	84.1	92.9	94.9	95.6	96.3	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5
GE 1500	58.5	61.8	77.2	84.6	93.8	95.9	96.6	97.3	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5
GE 1200	58.5	61.8	77.2	84.6	94.3	97.0	97.9	98.6	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
GE 1000	>8.7	62.0	77.4	84.8	94.5	97.3	98.2	98.9	99.1	99.3	99.3	99.3	99.3	99.3	99.3	99.3
GE 900	58.7	62.0	77.4	84.8	94.5	97.3	98.2	98.9	99.1	99.3	99.3	99.3	99.3	99.3	99.3	99.3
GE 800	58.7	62.0	77.4	84.8	94.5	97.3	98.2	98.9	99.1	99.3	99.3	99.3	99.3	99.3	99.3	99.3
GE 700	58.7	62.0	77.4	84.8	94.5	97.3	98.2	98.9	99.1	99.5	99.5	99.5	99.5	99.5	99.5	99.5
GE 600	58.7	62.0	77.4	84.8	94.5	97.5	98.4	99.3	99.5	99.8	99.8	99.8	99.8	99.8	99.8	99.8
GE 500	58.7	62.0	77.4	84.8	94.5	97.5	98.4	99.3	99.5	99.8	99.8	99.8	99.8	99.8	99.8	99.8
GE 400	58.7	62.0	77.4	84.8	94.5	97.5	98.4	99.3	99.5	99.8	100.0	100.0	100.0	100.0	100.0	100.0
GE 300	58.7	62.0	77.4	84.8	94.5	97.5	98.4	99.3	99.5	99.8	100.0	100.0	100.0	100.0	100.0	100.0
GE 200	58.7	62.0	77.4	84.8	94.5	97.5	98.4	99.3	99.5	99.8	100.0	100.0	100.0	100.0	100.0	100.0
GE 100	58.7	62.0	77.4	84.8	94.5	97.5	98.4	99.3	99.5	99.8	100.0	100.0	100.0	100.0	100.0	100.0
GE 000	58.7	62.0	77.4	84.8	94.5	97.5	98.4	99.3	99.5	99.8	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 566

OPERATING LOCATION "A"
USAFTAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106530 STATION NAME: GIEBELSTADT AAF GERMANY PERIOD OF RECORD: OCT 80 - SEP 89
LST TO UTC: - 1 MONTH: JUL HOURS: 12-14

CEILING IN FEET	VISIBILITY IN METERS															
	GE 112	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 08	GE 06	GE 04	GE 00
NO CEIL	39.1	40.3	44.0	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7
GE 20000	43.6	45.0	48.9	49.6	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7
GE 18000	44.0	45.4	49.2	49.9	50.1	50.1	50.1	50.1	50.1	50.1	50.1	50.1	50.1	50.1	50.1	50.1
GE 16000	44.0	45.4	49.2	49.9	50.1	50.1	50.1	50.1	50.1	50.1	50.1	50.1	50.1	50.1	50.1	50.1
GE 14000	44.0	45.4	49.2	49.9	50.1	50.1	50.1	50.1	50.1	50.1	50.1	50.1	50.1	50.1	50.1	50.1
GE 12000	44.5	45.9	50.1	50.8	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0
GE 10000	45.7	47.3	52.0	53.2	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4
GE 9000	47.1	48.7	53.4	54.6	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8
GE 8000	50.6	52.5	57.4	58.8	59.3	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7
GE 7000	51.5	53.4	58.5	59.9	60.4	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7
GE 6000	52.2	54.1	59.2	60.6	61.1	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4
GE 5000	55.8	58.1	63.7	65.1	65.8	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1
GE 4500	57.1	59.9	65.4	66.8	67.5	67.9	67.9	67.9	67.9	67.9	67.9	67.9	67.9	67.9	67.9	67.9
GE 4000	64.7	68.2	74.5	76.4	77.3	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8
GE 3500	72.6	76.4	83.4	85.3	86.7	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3
GE 3000	78.0	81.8	90.1	92.7	94.8	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5
GE 2500	79.4	83.2	91.8	94.9	97.6	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
GE 2000	79.4	83.2	91.8	94.9	97.6	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
GE 1800	79.4	83.2	91.8	94.9	97.6	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
GE 1500	79.6	83.4	92.1	95.5	98.1	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
GE 1200	79.6	83.4	92.1	95.5	98.3	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
GE 1000	79.6	83.4	92.1	95.5	98.3	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
GE 900	79.6	83.4	92.1	95.5	98.3	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
GE 800	79.6	83.4	92.3	95.6	98.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 700	79.6	83.4	92.3	95.6	98.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 600	79.6	83.4	92.3	95.6	98.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 500	79.6	83.4	92.3	95.6	98.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 400	79.6	83.4	92.3	95.6	98.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 300	79.6	83.4	92.3	95.6	98.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 200	79.6	83.4	92.3	95.6	98.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 100	79.6	83.4	92.3	95.6	98.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 000	79.6	83.4	92.3	95.6	98.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 573

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106530 STATION NAME: GIEBELSTADT AAF GERMANY
LST TO UTC: - 1 PERIOD OF RECORD: OCT 80 - SEP 89
MONTH: JUL HOURS: 15-17

CEILING IN FEET	VISIBILITY IN METERS																	
	GE 112	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 08	GE 06	GE 04	GE 00		
NO CEIL	40.9	43.6	45.9	47.4	47.6	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	
GE 20000	47.2	50.6	53.3	54.8	55.0	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	
GE 18000	47.7	51.2	53.9	55.3	55.5	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	
GE 16000	47.7	51.2	53.9	55.3	55.5	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	
GE 14000	48.3	51.7	54.4	56.1	56.2	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4	
GE 12000	49.2	52.6	55.5	57.1	57.3	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	
GE 10000	50.6	54.1	57.1	59.3	59.7	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	
GE 9000	51.5	55.0	58.0	60.2	60.6	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8	
GE 8000	55.5	59.3	62.6	65.1	65.5	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	
GE 7000	58.8	62.6	66.0	68.5	68.9	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	
GE 6000	59.5	63.3	66.7	69.3	69.6	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	
GE 5000	63.5	67.6	71.1	73.6	74.3	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	
GE 4500	66.2	70.3	74.0	76.5	77.2	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	
GE 4000	72.7	77.0	81.4	84.4	85.2	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	
GE 3500	79.7	84.3	88.8	92.0	92.9	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	
GE 3000	83.4	87.9	94.0	97.5	98.6	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	
GE 2500	83.5	88.1	94.2	97.6	98.7	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	
GE 2000	83.5	88.1	94.2	97.6	98.7	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	
GE 1800	83.5	88.1	94.2	97.6	98.7	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	
GE 1500	83.9	88.4	94.8	98.2	99.3	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	
GE 1200	83.9	88.4	94.8	98.2	99.3	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	
GE 1000	84.1	88.6	94.9	98.6	99.6	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	
GE 900	84.1	88.6	94.9	98.6	99.6	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	
GE 800	84.1	88.6	95.1	98.7	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	
GE 700	84.1	88.6	95.1	98.7	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	
GE 600	84.1	88.6	95.1	98.7	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	
GE 500	84.1	88.6	95.1	98.7	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	
GE 400	84.1	88.6	95.1	98.7	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	
GE 300	84.1	88.6	95.1	98.7	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	
GE 200	84.1	88.6	95.1	98.7	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	
GE 100	84.1	88.6	95.1	98.7	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	
GE 000	84.1	88.6	95.1	98.7	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	

TOTAL NUMBER OF OBSERVATIONS 553

OPERATING LOCATION "A"
USAFTAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106530 STATION NAME: GIEBELSTADT AAF GERMANY PERIOD OF RECORD: OCT 80 - SEP 89
LST TO UTC: - 1 MONTH: JUL HOURS: 18-20

CEILING IN FEET	VISIBILITY IN METERS															
	GE 112	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 08	GE 06	GE 04	GE 00
NO.CEIL	43.7	46.8	51.5	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2
GE 20000	49.1	52.2	57.7	59.6	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8
GE 18000	49.7	52.8	58.4	60.2	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4
GE 16000	49.7	52.8	58.4	60.2	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4
GE 14000	49.7	52.8	58.4	60.2	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4
GE 12000	50.7	54.0	59.8	61.9	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1
GE 10000	51.5	54.8	61.4	63.5	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7
GE 9000	53.6	56.9	63.7	65.8	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.6
GE 8000	57.1	60.4	67.8	70.3	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1
GE 7000	61.2	64.5	72.4	74.8	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7
GE 6000	61.4	64.7	72.6	75.1	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9
GE 5000	66.0	69.3	77.5	80.0	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8
GE 4500	70.1	73.4	81.9	84.3	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2
GE 4000	75.7	79.0	87.4	89.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9
GE 3500	79.6	82.9	91.8	94.6	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3
GE 3000	80.8	84.1	94.0	96.9	98.8	98.8	98.8	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
GE 2500	80.8	84.1	94.0	96.9	98.8	98.8	98.8	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
GE 2000	81.4	84.7	94.6	97.5	99.4	99.4	99.4	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
GE 1800	81.4	84.7	94.6	97.5	99.6	99.6	99.6	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
GE 1500	81.4	84.7	94.6	97.5	99.6	99.6	99.6	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
GE 1200	81.4	84.7	94.6	97.5	99.6	99.6	99.6	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
GE 1000	81.4	84.7	94.6	97.5	99.8	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 900	81.4	84.7	94.6	97.5	99.8	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 800	81.4	84.7	94.6	97.5	99.8	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 700	81.4	84.7	94.6	97.5	99.8	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 600	81.4	84.7	94.6	97.5	99.8	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 500	81.4	84.7	94.6	97.5	99.8	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 400	81.4	84.7	94.6	97.5	99.8	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 300	81.4	84.7	94.6	97.5	99.8	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 200	81.4	84.7	94.6	97.5	99.8	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 100	81.4	84.7	94.6	97.5	99.8	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 000	81.4	84.7	94.6	97.5	99.8	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 485

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106530

STATION NAME: GIEBELSTADT AAF GERMANY
LST TO UTC: - 1

PERIOD OF RECORD: OCT 80 - SEP 89
MONTH: JUL HOURS: 21-23

CEILING IN FEET	VISIBILITY IN METERS															
	GE 112	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 08	GE 06	GE 04	GE 00
NO CEIL	40.5	42.0	49.8	52.1	54.1	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5
GE 20000	43.2	44.7	53.3	55.6	57.6	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0
GE 18000	44.0	45.5	54.1	56.4	58.4	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8
GE 16000	44.0	45.5	54.1	56.4	58.4	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8
GE 14000	44.4	45.9	54.5	56.8	58.8	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1
GE 12000	44.4	45.9	54.5	56.8	58.8	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1
GE 10000	45.5	47.1	56.0	58.4	61.1	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5
GE 9000	47.1	49.0	58.4	61.1	63.8	64.2	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0
GE 8000	48.2	50.2	60.7	63.4	66.1	66.5	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3
GE 7000	52.5	54.5	66.5	69.3	72.0	72.4	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2
GE 6000	52.9	54.9	66.9	69.6	72.4	72.8	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5
GE 5000	57.6	59.5	73.2	75.0	78.6	79.0	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8
GE 4500	61.1	63.8	77.8	80.0	83.3	83.7	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4
GE 4000	65.0	68.1	83.3	86.0	89.9	90.3	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1
GE 3500	67.7	71.6	87.5	90.7	94.9	95.3	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1
GE 3000	68.5	72.4	88.7	91.8	96.5	97.3	98.1	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
GE 2500	68.5	72.4	89.1	92.2	96.9	97.7	98.4	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
GE 2000	68.9	72.8	90.3	93.4	98.1	98.8	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 1800	68.9	72.8	90.3	93.4	98.1	98.8	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 1500	68.9	72.8	90.3	93.4	98.1	98.8	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 1200	68.9	72.8	90.3	93.4	98.1	98.8	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 1000	68.9	72.8	90.3	93.4	98.1	98.8	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 900	68.9	72.8	90.3	93.4	98.1	98.8	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 800	68.9	72.8	90.3	93.4	98.1	98.8	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 700	68.9	72.8	90.3	93.4	98.1	98.8	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 600	68.9	72.8	90.3	93.4	98.1	98.8	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 500	68.9	72.8	90.3	93.4	98.1	98.8	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 400	68.9	72.8	90.3	93.4	98.1	98.8	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 300	68.9	72.8	90.3	93.4	98.1	98.8	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 200	68.9	72.8	90.3	93.4	98.1	98.8	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 100	68.9	72.8	90.3	93.4	98.1	98.8	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 000	68.9	72.8	90.3	93.4	98.1	98.8	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 257

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106530 STATION NAME: GIEBELSTADT AAF GERMANY PERIOD OF RECORD: OCT 80 - SEP 89
LST TO UTC: - 1 MONTH: JUL HOURS: ALL

CEILING IN FEET	VISIBILITY IN METERS															
	GE 112	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 08	GE 06	GE 04	GE 00
NO CEIL	34.9	36.6	41.9	44.6	47.0	47.3	47.5	47.7	47.7	47.8	47.9	47.9	47.9	47.9	47.9	47.9
GE 20000	38.8	40.7	46.7	49.6	52.2	52.6	52.7	52.9	52.9	53.1	53.2	53.2	53.2	53.2	53.2	53.2
GE 18000	39.2	41.2	47.3	50.1	52.8	53.1	53.3	53.5	53.5	53.6	53.7	53.7	53.7	53.7	53.7	53.7
GE 16000	39.3	41.2	47.3	50.2	52.9	53.2	53.4	53.6	53.6	53.7	53.8	53.8	53.8	53.8	53.8	53.8
GE 14000	39.5	41.4	47.5	50.5	53.1	53.5	53.6	53.8	53.8	54.0	54.1	54.1	54.1	54.1	54.1	54.1
GE 12000	40.2	42.2	48.5	51.4	54.1	54.4	54.6	54.8	54.8	54.9	55.0	55.0	55.0	55.0	55.0	55.0
GE 10000	41.1	43.2	49.9	53.2	55.9	56.3	56.5	56.7	56.7	56.8	56.9	56.9	56.9	56.9	56.9	56.9
GE 9000	42.6	44.7	51.8	55.2	58.2	58.7	58.9	59.1	59.1	59.3	59.4	59.4	59.4	59.4	59.4	59.4
GE 8000	45.6	48.0	55.8	59.5	62.7	63.4	63.8	64.1	64.2	64.5	64.6	64.6	64.6	64.6	64.6	64.6
GE 7000	48.2	50.6	58.7	62.5	65.9	66.7	67.2	67.5	67.6	67.8	67.9	67.9	67.9	67.9	67.9	68.0
GE 6000	48.6	51.0	59.2	63.1	66.5	67.3	67.8	68.1	68.2	68.4	68.5	68.5	68.5	68.5	68.5	68.6
GE 5000	52.0	54.6	63.3	67.5	71.2	72.1	72.6	72.9	73.0	73.2	73.3	73.3	73.3	73.3	73.3	73.4
GE 4500	54.0	56.8	65.8	70.1	74.0	75.1	75.6	76.0	76.1	76.4	76.5	76.5	76.5	76.5	76.5	76.5
GE 4000	59.4	62.5	72.4	77.1	81.7	83.0	83.5	84.0	84.1	84.4	84.5	84.5	84.5	84.5	84.5	84.6
GE 3500	64.0	67.4	78.1	83.1	88.2	89.7	90.2	90.7	90.8	91.1	91.3	91.3	91.3	91.3	91.3	91.3
GE 3000	66.8	70.2	81.9	87.2	92.9	94.6	95.1	95.9	96.0	96.4	96.5	96.5	96.6	96.6	96.6	96.6
GE 2500	67.3	70.7	82.5	88.0	93.9	95.6	96.2	96.9	97.1	97.5	97.6	97.6	97.6	97.6	97.6	97.7
GE 2000	67.5	70.9	82.8	88.5	94.4	96.2	96.8	97.5	97.7	98.1	98.2	98.2	98.3	98.3	98.3	98.3
GE 1800	67.5	70.9	82.8	88.6	94.5	96.3	96.9	97.6	97.8	98.2	98.4	98.4	98.4	98.4	98.4	98.4
GE 1500	67.6	71.1	83.1	88.9	95.0	96.8	97.4	98.2	98.4	98.8	98.9	98.9	98.9	98.9	98.9	99.0
GE 1200	67.6	71.1	83.2	88.9	95.2	97.1	97.8	98.5	98.7	99.1	99.2	99.3	99.3	99.3	99.3	99.3
GE 1000	67.7	71.1	83.2	89.0	95.3	97.3	98.0	98.7	98.9	99.4	99.5	99.5	99.5	99.5	99.5	99.6
GE 900	67.7	71.1	83.2	89.0	95.3	97.3	98.0	98.7	98.9	99.4	99.5	99.5	99.5	99.5	99.5	99.6
GE 800	67.7	71.1	83.3	89.1	95.4	97.4	98.1	98.8	99.0	99.5	99.6	99.6	99.6	99.6	99.6	99.7
GE 700	67.7	71.1	83.3	89.1	95.4	97.4	98.1	98.8	99.0	99.5	99.7	99.7	99.7	99.7	99.7	99.8
GE 600	67.7	71.1	83.3	89.1	95.4	97.5	98.1	98.9	99.1	99.6	99.8	99.8	99.8	99.8	99.8	99.8
GE 500	67.7	71.1	83.3	89.1	95.4	97.5	98.1	98.9	99.1	99.6	99.8	99.8	99.8	99.8	99.8	99.9
GE 400	67.7	71.1	83.3	89.1	95.4	97.5	98.1	98.9	99.1	99.6	99.8	99.8	99.8	99.8	99.9	99.9
GE 300	67.7	71.1	83.3	89.1	95.4	97.5	98.1	98.9	99.1	99.6	99.8	99.8	99.8	99.8	99.9	99.9
GE 200	67.7	71.1	83.3	89.1	95.4	97.5	98.1	98.9	99.1	99.6	99.8	99.8	99.8	99.8	99.9	100.0
GE 100	67.7	71.1	83.3	89.1	95.4	97.5	98.1	98.9	99.1	99.6	99.8	99.8	99.8	99.8	99.9	100.0
GE 000	67.7	71.1	83.3	89.1	95.4	97.5	98.1	98.9	99.1	99.6	99.8	99.8	99.8	99.8	99.9	100.0

TOTAL NUMBER OF OBSERVATIONS 2998

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106530

STATION NAME: GIEBELSTADT AAF GERMANY
LST TO UTC: - 1

PERIOD OF RECORD: OCT 80 - SEP 89
MONTH: AUG HOURS: 06-08

CEILING IN FEET	VISIBILITY IN METERS															
	112	90	80	60	48	40	32	24	20	16	12	10	08	06	04	00
NO CEIL	14.3	14.8	21.4	23.5	33.7	38.1	40.3	41.8	43.2	43.7	44.4	44.6	44.7	45.2	45.2	47.1
GE 20000	15.8	16.3	24.1	26.7	37.4	42.0	44.2	46.1	47.4	48.0	48.8	49.1	49.3	49.8	49.8	52.6
GE 18000	15.8	16.3	24.1	26.9	37.6	42.2	44.4	46.3	47.6	48.1	49.0	49.3	49.5	50.0	50.0	52.7
GE 16000	15.8	16.3	24.1	26.9	37.6	42.2	44.4	46.3	47.6	48.1	49.0	49.3	49.5	50.0	50.0	52.7
GE 14000	15.8	16.3	24.1	26.9	37.6	42.2	44.4	46.3	47.6	48.1	49.0	49.3	49.5	50.0	50.0	52.7
GE 12000	16.0	16.5	24.3	27.0	37.9	42.5	44.9	46.8	48.1	48.6	49.5	49.8	50.0	50.5	50.5	53.4
GE 10000	16.7	17.2	25.3	28.2	40.1	45.7	48.1	50.0	51.4	51.9	52.9	53.2	53.4	53.9	53.9	56.8
GE 9000	18.2	18.7	27.4	30.8	43.9	49.7	52.0	54.1	55.4	56.0	57.0	57.3	57.5	58.0	58.0	60.9
GE 8000	20.6	21.3	31.6	35.5	49.3	55.6	58.2	60.2	61.6	62.1	63.4	63.8	63.9	64.5	64.5	67.3
GE 7000	21.4	22.1	32.7	37.1	51.2	57.5	60.0	62.2	63.6	64.1	65.5	65.8	66.0	66.5	66.5	69.4
GE 6000	22.4	23.1	34.0	38.4	52.6	58.8	61.4	63.6	65.0	65.5	66.8	67.2	67.3	67.9	67.9	70.7
GE 5000	23.8	24.5	35.9	41.0	56.3	63.4	66.2	68.9	70.2	70.7	72.1	72.4	72.8	73.3	73.3	76.2
GE 4500	24.5	25.2	36.9	42.0	57.5	64.6	67.7	70.6	71.9	72.4	74.0	74.3	74.7	75.2	75.2	78.1
GE 4000	26.2	27.0	38.9	45.1	61.1	68.4	71.4	74.8	76.4	76.9	78.4	78.7	79.1	79.6	79.6	82.5
GE 3500	27.2	28.1	40.1	46.6	62.9	70.9	74.5	77.9	79.8	80.3	81.8	82.3	82.7	83.2	83.2	86.1
GE 3000	28.9	29.8	42.5	49.5	66.2	74.5	78.6	82.3	84.4	85.0	86.7	87.4	87.8	88.3	88.3	91.8
GE 2500	29.4	30.3	43.2	50.2	66.8	75.5	79.6	83.3	85.4	86.4	88.1	88.8	89.1	89.6	89.6	93.2
GE 2000	29.6	30.4	44.0	51.0	68.2	77.0	81.3	85.4	87.4	88.4	90.1	90.8	91.2	91.7	91.7	95.2
GE 1800	29.6	30.4	44.0	51.0	68.2	77.0	81.3	85.4	87.4	88.4	90.1	90.8	91.2	91.7	91.7	95.2
GE 1500	29.6	30.4	44.0	51.0	68.9	78.2	82.5	86.6	88.6	89.6	91.3	92.0	92.3	92.9	92.9	96.4
GE 1200	29.6	30.4	44.2	51.2	69.2	78.6	82.8	86.9	88.9	90.0	91.8	92.5	92.9	93.4	93.4	96.9
GE 1000	29.6	30.4	44.2	51.2	69.2	78.6	82.8	86.9	88.9	90.0	92.0	92.7	93.0	93.5	93.5	97.1
GE 900	29.6	30.4	44.2	51.4	69.4	78.7	83.0	87.1	89.1	90.1	92.2	92.9	93.2	93.7	93.7	97.3
GE 800	29.6	30.4	44.2	51.4	69.4	78.7	83.0	87.1	89.1	90.1	92.3	93.0	93.4	93.9	93.9	97.4
GE 700	29.6	30.4	44.2	51.4	69.4	78.7	83.0	87.1	89.1	90.1	92.3	93.0	93.4	93.9	93.9	97.4
GE 600	29.6	30.4	44.2	51.4	69.4	78.7	83.0	87.1	89.1	90.1	92.3	93.0	93.4	93.9	93.9	97.4
GE 500	29.6	30.4	44.2	51.4	69.4	78.7	83.0	87.1	89.1	90.1	92.3	93.0	93.4	93.9	93.9	97.4
GE 400	29.6	30.4	44.2	51.4	69.4	78.7	83.0	87.1	89.5	90.6	92.9	93.5	93.9	94.4	94.4	98.1
GE 300	29.6	30.4	44.2	51.4	69.4	78.7	83.0	87.1	89.5	90.6	92.9	93.5	93.9	94.4	94.4	98.5
GE 200	29.6	30.4	44.2	51.4	69.4	78.7	83.0	87.1	89.5	90.6	92.9	93.5	93.9	94.4	94.4	99.0
GE 100	29.6	30.4	44.2	51.4	69.4	78.7	83.0	87.1	89.5	90.6	92.9	93.5	93.9	94.4	94.4	100.0
GE 000	29.6	30.4	44.2	51.4	69.4	78.7	83.0	87.1	89.5	90.6	92.9	93.5	93.9	94.4	94.4	100.0

TOTAL NUMBER OF OBSERVATIONS 588

**OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC**

**PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS**

STATION NUMBER: 106530 STATION NAME: GIEBELSTADT AAF GERMANY PERIOD OF RECORD: OCT 80 - SEP 89
LST TO UTC: - 1 MONTH: AUG HOURS: 09-11

CEILING IN FEET	VISIBILITY IN METERS															
	GE 112	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 08	GE 06	GE 04	GE 00
NO CEIL	25.8	27.5	37.7	42.6	46.7	47.9	48.2	48.4	48.6	48.7	48.7	48.7	48.7	48.7	48.7	48.9
GE 20000	27.7	29.4	40.7	45.7	50.6	51.8	52.3	52.5	52.6	52.8	52.8	52.8	52.8	52.8	52.8	53.0
GE 18000	27.7	29.4	40.7	45.7	50.6	51.8	52.3	52.5	52.6	52.8	52.8	52.8	52.8	52.8	52.8	53.0
GE 16000	27.7	29.4	40.7	45.8	50.8	52.0	52.5	52.6	52.8	53.0	53.0	53.0	53.0	53.0	53.0	53.1
GE 14000	27.8	29.5	40.9	46.2	51.3	52.5	53.0	53.1	53.3	53.5	53.5	53.5	53.5	53.5	53.5	53.7
GE 12000	28.2	29.9	41.3	46.5	51.8	53.0	53.5	53.7	53.8	54.0	54.0	54.0	54.0	54.0	54.0	54.2
GE 10000	28.5	30.2	42.4	48.2	54.5	55.7	56.2	56.4	56.5	56.7	56.7	56.7	56.7	56.7	56.7	56.9
GE 9000	29.7	31.4	44.3	50.6	56.9	58.1	58.6	58.7	58.9	59.1	59.1	59.1	59.1	59.1	59.1	59.3
GE 8000	33.4	35.3	48.7	55.2	61.6	62.8	63.5	63.7	64.0	64.2	64.2	64.2	64.2	64.2	64.2	64.3
GE 7000	35.3	37.2	51.	58.1	64.5	65.7	66.4	66.6	66.9	67.1	67.1	67.1	67.1	67.1	67.1	67.2
GE 6000	35.3	37.2	51.1	58.2	64.7	65.9	66.6	66.7	67.1	67.2	67.2	67.2	67.2	67.2	67.2	67.4
GE 5000	38.0	40.1	54.2	61.3	69.1	70.3	71.3	71.5	71.8	72.0	72.0	72.0	72.0	72.0	72.0	72.2
GE 4500	38.7	40.7	54.8	62.0	69.8	71.0	72.0	72.3	72.7	72.8	72.8	72.8	72.8	72.8	72.8	73.0
GE 4000	42.3	44.7	59.4	66.7	74.7	75.9	76.9	77.2	77.6	77.8	77.8	77.8	77.8	77.8	77.8	77.9
GE 3500	44.5	47.0	62.6	70.6	79.5	81.0	82.5	82.9	83.2	83.4	83.5	83.5	83.5	83.5	83.5	83.7
GE 3000	49.1	51.8	67.9	76.4	85.7	87.9	89.6	90.8	91.7	92.0	92.2	92.4	92.4	92.4	92.4	92.5
GE 2500	49.7	52.6	69.3	77.9	87.3	89.5	91.2	92.4	93.2	93.5	93.7	93.9	93.9	93.9	93.9	94.1
GE 2000	50.1	53.3	70.1	78.8	88.8	91.5	93.2	94.4	95.2	95.6	95.8	95.9	95.9	95.9	95.9	96.1
GE 1800	50.1	53.3	70.1	78.8	88.8	91.5	93.2	94.4	95.2	95.6	95.8	95.9	95.9	95.9	95.9	96.1
GE 1500	50.3	53.7	70.5	79.5	90.0	92.7	94.4	95.6	96.6	96.9	97.1	97.3	97.3	97.3	97.3	97.5
GE 1200	50.6	54.0	71.0	80.0	90.7	93.4	95.1	96.3	97.3	97.6	97.8	98.0	98.0	98.0	98.0	98.1
GE 1000	50.6	54.0	71.0	80.1	90.8	93.5	95.8	97.1	98.1	98.5	98.6	98.8	99.0	99.0	99.0	99.2
GE 900	50.6	54.0	71.0	80.1	90.8	93.5	95.8	97.1	98.1	98.5	98.6	98.8	99.0	99.0	99.0	99.2
GE 800	50.6	54.0	71.0	80.1	90.8	93.5	95.8	97.1	98.3	98.6	99.0	99.2	99.3	99.3	99.3	99.5
GE 700	50.6	54.0	71.0	80.1	90.8	93.5	95.8	97.1	98.3	98.6	99.0	99.2	99.3	99.3	99.3	99.5
GE 600	50.6	54.0	71.0	80.1	90.8	93.5	95.8	97.1	98.3	98.6	99.0	99.2	99.3	99.3	99.3	99.5
GE 500	50.6	54.0	71.0	80.1	90.8	93.5	95.8	97.1	98.3	98.6	99.2	99.3	99.5	99.5	99.5	99.8
GE 400	50.6	54.0	71.0	80.1	90.8	93.5	95.8	97.1	98.3	98.6	99.2	99.3	99.5	99.5	99.5	99.8
GE 300	50.6	54.0	71.0	80.1	90.8	93.5	95.8	97.1	98.3	98.6	99.2	99.3	99.5	99.5	99.5	99.8
GE 200	50.6	54.0	71.0	80.1	90.8	93.5	95.8	97.1	98.3	98.6	99.2	99.3	99.5	99.5	99.5	100.0
GE 100	50.6	54.0	71.0	80.1	90.8	93.5	95.8	97.1	98.3	98.6	99.2	99.3	99.5	99.5	99.5	100.0
GE 000	50.6	54.0	71.0	80.1	90.8	93.5	95.8	97.1	98.3	98.6	99.2	99.3	99.5	99.5	99.5	100.0

TOTAL NUMBER OF OBSERVATIONS 589

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106530

STATION NAME: GIEBELSTADT AAF GERMANY
LST TO UTC: - 1

PERIOD OF RECORD: OCT 80 - SEP 89
MONTH: AUG HOURS: 12-14

CEILING IN FEET	VISIBILITY IN METERS															
	GE 112	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 08	GE 06	GE 04	GE 00
NO CEIL	35.6	37.3	42.4	44.0	44.6	44.8	44.8	44.8	44.8	44.8	44.8	44.8	44.8	44.8	44.8	44.8
GE 20000	41.1	42.9	49.4	51.6	52.3	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5
GE 18000	41.1	42.9	49.4	51.6	52.3	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5
GE 16000	41.1	42.9	49.4	51.6	52.3	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5
GE 14000	41.2	43.1	49.6	52.0	52.6	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8
GE 12000	41.7	43.6	50.1	52.5	53.2	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3
GE 10000	44.1	46.0	52.6	55.5	56.6	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7
GE 9000	46.0	47.9	54.5	57.4	58.4	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6
GE 8000	50.4	52.6	60.0	62.9	64.2	64.4	64.4	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6
GE 7000	51.6	53.8	61.7	64.7	66.4	66.6	66.6	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8
GE 6000	51.6	53.8	61.7	64.7	66.4	66.6	66.6	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8
GE 5000	55.9	58.4	66.6	69.7	71.9	72.1	72.1	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2
GE 4500	57.1	59.6	67.8	71.2	73.4	73.6	73.6	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8
GE 4000	62.5	65.1	73.4	76.8	79.2	79.4	79.4	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6
GE 3500	66.4	69.0	78.7	82.5	85.2	85.5	85.5	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7
GE 3000	73.4	76.3	86.5	90.8	94.9	95.6	95.6	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9
GE 2500	74.1	77.2	87.7	92.2	97.3	98.0	98.0	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
GE 2000	75.0	78.0	88.6	93.0	98.1	98.8	98.8	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
GE 1800	75.0	78.0	88.6	93.0	98.1	98.8	98.8	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
GE 1500	75.0	78.0	88.6	93.0	98.5	99.1	99.1	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
GE 1200	75.0	78.0	88.6	93.0	98.6	99.3	99.3	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
GE 1000	75.0	78.0	88.6	93.2	99.0	99.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 900	75.0	78.0	88.6	93.2	99.0	99.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 800	75.0	78.0	88.6	93.2	99.0	99.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 700	75.0	78.0	88.6	93.2	99.0	99.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 600	75.0	78.0	88.6	93.2	99.0	99.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 500	75.0	78.0	88.6	93.2	99.0	99.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 400	75.0	78.0	88.6	93.2	99.0	99.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 300	75.0	78.0	88.6	93.2	99.0	99.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 200	75.0	78.0	88.6	93.2	99.0	99.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 100	75.0	78.0	88.6	93.2	99.0	99.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 000	75.0	78.0	88.6	93.2	99.0	99.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 587

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106530 STATION NAME: GIEBELSTADT AAF GERMANY PERIOD OF RECORD: OCT 80 - SEP 89
LST TO UTC: - 1 MONTH: AUG HOURS: 15-17

CEILING IN FEET	VISIBILITY IN METERS															
	GE 112	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 08	GE 06	GE 04	GE 00
NO CEIL	36.5	38.7	42.9	44.0	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7
GE 20000	44.2	47.3	52.5	53.8	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5
GE 18000	44.2	47.3	52.5	53.8	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5
GE 16000	44.2	47.3	52.5	53.8	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5
GE 14000	44.2	47.3	52.5	53.8	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5
GE 12000	44.9	48.2	53.4	54.6	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3
GE 10000	48.7	52.4	57.6	59.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0
GE 9000	50.3	53.9	59.2	60.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6
GE 8000	55.7	59.5	65.3	67.0	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1
GE 7000	58.3	62.1	68.6	70.3	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6
GE 6000	58.8	62.8	69.3	71.0	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3
GE 5000	61.6	65.6	72.1	73.8	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0
GE 4500	64.0	68.1	74.5	76.3	77.5	77.5	77.5	77.5	77.5	77.5	77.5	77.5	77.5	77.5	77.5	77.5
GE 4000	71.9	75.9	83.2	85.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3
GE 3500	76.3	80.3	88.5	90.6	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8
GE 3000	78.9	83.1	92.0	94.2	97.0	97.0	97.2	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6
GE 2500	79.4	83.6	92.7	95.3	98.1	98.1	98.3	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6
GE 2000	79.6	83.9	93.0	95.6	98.4	98.4	98.6	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
GE 1800	79.6	83.9	93.0	95.6	98.4	98.4	98.6	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
GE 1500	79.8	84.1	93.2	95.8	98.8	98.8	99.0	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
GE 1200	79.8	84.1	93.2	95.8	98.8	98.8	99.0	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
GE 1000	79.8	84.1	93.2	95.8	99.1	99.1	99.3	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
GE 900	79.8	84.1	93.2	95.8	99.1	99.1	99.3	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
GE 800	79.8	84.1	93.2	95.8	99.1	99.1	99.3	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
GE 700	79.8	84.1	93.2	95.8	99.1	99.3	99.5	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
GE 600	79.8	84.1	93.2	95.8	99.3	99.5	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 500	79.8	84.1	93.2	95.8	99.3	99.5	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 400	79.8	84.1	93.2	95.8	99.3	99.5	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 300	79.8	84.1	93.2	95.8	99.3	99.5	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 200	79.8	84.1	93.2	95.8	99.3	99.5	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 100	79.8	84.1	93.2	95.8	99.3	99.5	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 000	79.8	84.1	93.2	95.8	99.3	99.5	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 573

OPERATING LOCATION "A"
USAFTAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106530 STATION NAME: GIEBELSTADT AAF GERMANY
LST TO UTC: - 1 PERIOD OF RECORD: OCT 80 - SEP 89
MONTH: AUG HOURS: 18-20

CEILING IN FEET	VISIBILITY IN METERS															
	GE 112	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 08	GE 06	GE 04	GE 00
NO CEIL	46.0	47.9	50.8	51.3	52.9	53.1	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3
GE 20000	53.7	56.5	61.0	61.7	63.3	63.5	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7
GE 18000	53.7	56.5	61.0	61.7	63.3	63.5	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7
GE 16000	53.7	56.5	61.0	61.7	63.3	63.5	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7
GE 14000	53.7	56.5	61.0	61.7	63.3	63.5	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7
GE 12000	53.7	56.5	61.0	61.7	63.5	63.7	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8
GE 10000	57.3	60.4	65.0	66.0	68.1	68.5	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7
GE 9000	59.0	62.1	66.9	67.9	70.0	70.4	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6
GE 8000	64.2	67.3	72.5	73.5	75.8	76.2	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3
GE 7000	66.3	69.8	75.8	76.7	79.6	80.0	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2
GE 6000	66.3	69.8	75.8	76.7	79.6	80.0	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2
GE 5000	67.5	71.0	76.9	77.9	81.2	81.5	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7
GE 4500	69.4	73.1	79.6	80.8	84.2	84.6	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8
GE 4000	73.8	77.7	85.6	87.7	91.3	91.7	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9
GE 3500	76.5	80.4	88.8	91.2	94.8	95.2	95.4	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6
GE 3000	77.3	81.2	90.4	92.9	96.5	96.9	97.1	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5
GE 2500	77.7	81.7	91.0	93.5	97.3	97.7	97.9	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
GE 2000	77.7	81.7	91.0	93.5	97.3	97.7	98.1	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
GE 1800	77.7	81.7	91.0	93.5	97.7	98.1	98.5	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
GE 1500	78.3	82.3	91.5	94.0	98.3	98.7	99.0	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
GE 1200	78.3	82.3	91.5	94.0	98.3	98.7	99.0	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
GE 1000	78.3	82.3	91.5	94.0	98.3	98.7	99.0	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
GE 900	78.3	82.3	91.5	94.0	98.3	98.7	99.0	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
GE 800	78.3	82.3	91.5	94.0	98.3	98.7	99.0	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
GE 700	78.3	82.3	91.5	94.0	98.3	98.8	99.2	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 600	78.3	82.3	91.5	94.0	98.3	98.8	99.2	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 500	78.3	82.3	91.5	94.0	98.3	98.8	99.2	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 400	78.3	82.3	91.5	94.0	98.3	98.8	99.2	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 300	78.3	82.3	91.5	94.0	98.3	98.8	99.2	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 200	78.3	82.3	91.5	94.0	98.3	98.8	99.2	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 100	78.3	82.3	91.5	94.0	98.3	98.8	99.2	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 000	78.3	82.3	91.5	94.0	98.3	98.8	99.2	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 520

OPERATING LOCATION "A"
USAFTAC, ASPEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106530 STATION NAME: GIEBELSTADT AAF GERMANY PERIOD OF RECORD: OCT 80 - SEP 89
LST TO UTC: - 1 MONTH: AUG HOURS: 21-23

CEILING IN FEET	VISIBILITY IN METERS															
	GE 112	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 08	GE 06	GE 04	GE 00
NO CEIL	45.9	51.0	58.4	60.4	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9
GE 20000	52.5	58.8	67.1	69.0	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9
GE 18000	52.9	59.2	67.5	69.4	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3
GE 16000	52.9	59.2	67.5	69.4	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3
GE 14000	52.9	59.2	67.5	69.4	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3
GE 12000	52.9	59.2	67.5	69.4	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3
GE 10000	54.5	60.8	70.2	72.2	76.9	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6
GE 9000	55.7	62.0	71.4	73.3	78.0	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8
GE 8000	58.4	64.7	74.1	76.1	80.8	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6
GE 7000	59.6	65.9	75.3	77.3	82.4	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1
GE 6000	59.6	65.9	75.3	77.3	82.4	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1
GE 5000	60.4	66.7	76.1	78.0	83.1	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9
GE 4500	64.3	70.6	80.8	82.7	88.2	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0
GE 4000	68.6	74.9	86.3	88.6	94.1	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9
GE 3500	71.0	77.3	89.0	92.5	98.0	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
GE 3000	71.0	77.3	89.4	92.9	98.4	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
GE 2500	71.0	77.3	89.4	92.9	98.4	99.2	99.2	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
GE 2000	71.0	77.3	89.8	93.3	98.8	99.6	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 1800	71.0	77.3	89.8	93.3	98.8	99.6	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 1500	71.0	77.3	89.8	93.3	98.8	99.6	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 1200	71.0	77.3	89.8	93.3	98.8	99.6	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 1000	71.0	77.3	89.8	93.3	98.8	99.6	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 900	71.0	77.3	89.8	93.3	98.8	99.6	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 800	71.0	77.3	89.8	93.3	98.8	99.6	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 700	71.0	77.3	89.8	93.3	98.8	99.6	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 600	71.0	77.3	89.8	93.3	98.8	99.6	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 500	71.0	77.3	89.8	93.3	98.8	99.6	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 400	71.0	77.3	89.8	93.3	98.8	99.6	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 300	71.0	77.3	89.8	93.3	98.8	99.6	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 200	71.0	77.3	89.8	93.3	98.8	99.6	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 100	71.0	77.3	89.8	93.3	98.8	99.6	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 000	71.0	77.3	89.8	93.3	98.8	99.6	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 255

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106530

STATION NAME: GIEBELSTADT AAF GERMANY
LST TO UTC: - 1

PERIOD OF RECORD: OCT 80 - SEP 89
MONTH: AUG HOURS: ALL

CEILING IN FEET	VISIBILITY IN METERS															
	GE 112	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 08	GE 06	GE 04	GE 00
NO CEIL	32.5	34.4	40.4	42.4	45.9	47.0	47.6	47.9	48.2	48.3	48.4	48.5	48.5	48.6	48.6	49.0
GE 20000	37.4	39.7	46.9	49.3	53.1	54.2	54.8	55.2	55.5	55.6	55.8	55.8	55.8	55.9	55.9	56.5
GE 18000	37.4	39.7	47.0	49.4	53.1	54.3	54.9	55.2	55.5	55.7	55.8	55.9	55.9	56.0	56.0	56.6
GE 16000	37.4	39.7	47.0	49.4	53.2	54.3	54.9	55.3	55.6	55.7	55.8	55.9	55.9	56.0	56.0	56.6
GE 14000	37.5	39.8	47.0	49.5	53.3	54.5	55.0	55.4	55.7	55.8	56.0	56.1	56.1	56.2	56.2	56.7
GE 12000	37.8	40.2	47.4	49.9	53.8	54.9	55.5	55.9	56.2	56.3	56.5	56.6	56.6	56.7	56.7	57.3
GE 10000	39.9	42.4	50.0	52.7	57.3	58.7	59.3	59.7	60.0	60.1	60.3	60.4	60.4	60.5	60.5	61.1
GE 9000	41.4	43.9	51.8	54.7	59.5	61.0	61.6	62.0	62.3	62.4	62.6	62.7	62.7	62.8	62.8	63.4
GE 8000	45.5	48.1	56.7	59.9	64.9	66.5	67.1	67.6	67.9	68.0	68.3	68.3	68.4	68.5	68.5	69.1
GE 7000	47.2	49.9	58.9	62.3	67.6	69.2	69.9	70.3	70.7	70.8	71.0	71.1	71.1	71.2	71.2	71.8
GE 6000	47.5	50.2	59.3	62.7	68.1	69.6	70.3	70.8	71.1	71.2	71.5	71.5	71.6	71.7	71.7	72.2
GE 5000	49.8	52.6	62.0	65.5	71.5	73.2	73.9	74.5	74.8	75.0	75.2	75.3	75.4	75.4	75.4	76.0
GE 4500	51.4	54.2	63.8	67.4	73.5	75.2	76.0	76.7	77.0	77.1	77.4	77.5	77.5	77.6	77.6	78.2
GE 4000	55.9	58.9	69.2	73.3	79.7	81.4	82.2	83.0	83.3	83.5	83.7	83.8	83.9	84.0	84.0	84.5
GE 3500	58.7	61.8	72.7	77.2	84.0	86.0	87.0	87.8	88.2	88.3	88.7	88.8	88.8	88.9	88.9	89.5
GE 3000	61.9	65.0	76.6	81.4	88.7	90.9	92.1	93.2	93.8	94.0	94.3	94.5	94.5	94.6	94.6	95.3
GE 2500	62.4	65.6	77.4	82.4	89.9	92.2	93.3	94.6	95.1	95.4	95.7	95.9	96.0	96.0	96.0	96.8
GE 2000	62.7	66.0	78.0	83.0	90.7	93.1	94.3	95.6	96.2	96.4	96.8	96.9	97.0	97.1	97.1	97.8
GE 1800	62.7	66.0	78.0	83.0	90.7	93.2	94.4	95.7	96.2	96.5	96.9	97.0	97.1	97.2	97.2	97.9
GE 1500	62.8	66.2	78.2	83.2	91.3	93.9	95.1	96.4	96.9	97.2	97.6	97.7	97.8	97.9	97.9	98.6
GE 1200	62.9	66.3	78.3	83.4	91.5	94.1	95.3	96.6	97.2	97.4	97.8	98.0	98.0	98.1	98.1	98.8
GE 1000	62.9	66.3	78.3	83.4	91.7	94.2	95.6	96.9	97.5	97.7	98.1	98.3	98.4	98.5	98.5	99.2
GE 900	62.9	66.3	78.3	83.5	91.7	94.3	95.6	96.9	97.5	97.8	98.2	98.3	98.4	98.5	98.5	99.2
GE 800	62.	66.3	78.3	83.5	91.7	94.3	95.6	96.9	97.5	97.8	98.3	98.4	98.5	98.6	98.6	99.3
GE 700	62.9	66.3	78.3	83.5	91.7	94.3	95.7	97.0	97.6	97.8	98.3	98.5	98.6	98.7	98.7	99.4
GE 600	62.9	66.3	78.3	83.5	91.8	94.4	95.7	97.0	97.6	97.9	98.4	98.5	98.6	98.7	98.7	99.4
GE 500	62.9	66.3	78.3	83.5	91.8	94.4	95.7	97.0	97.6	97.9	98.4	98.6	98.7	98.7	98.7	99.5
GE 400	62.9	66.3	78.3	83.5	91.8	94.4	95.7	97.0	97.7	98.0	98.5	98.7	98.7	98.8	98.8	99.6
GE 300	62.9	66.3	78.3	83.5	91.8	94.4	95.7	97.0	97.7	98.0	98.5	98.7	98.7	98.8	98.8	99.7
GE 200	62.9	66.3	78.3	83.5	91.8	94.4	95.7	97.0	97.7	98.0	98.5	98.7	98.7	98.8	98.8	99.8
GE 100	62.9	66.3	78.3	83.5	91.8	94.4	95.7	97.0	97.7	98.0	98.5	98.7	98.7	98.8	98.8	100.0
GE 000	62.9	66.3	78.3	83.5	91.8	94.4	95.7	97.0	97.7	98.0	98.5	98.7	98.7	98.8	98.8	100.0

TOTAL NUMBER OF OBSERVATIONS 3112

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106530 STATION NAME: GIEBELSTADT AAF GERMANY PERIOD OF RECORD: OCT 80 - SEP 89
LST TO UTC: - 1 MONTH: SEP HOURS: 06-08

CEILING IN FEET	VISIBILITY IN METERS															
	GE 112	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 08	GE 06	GE 04	GE 00
NO CEIL	10.3	11.9	15.3	17.3	22.4	27.6	28.8	33.1	34.7	37.1	38.3	38.9	38.9	39.7	39.7	41.1
GE 20000	11.9	13.7	17.5	20.0	25.8	31.5	33.1	37.5	39.1	41.5	42.7	43.3	43.3	44.2	44.2	46.2
GE 18000	11.9	13.7	17.5	20.0	25.8	31.5	33.1	37.5	39.1	41.5	42.7	43.3	43.3	44.2	44.2	46.2
GE 16000	11.9	13.7	17.5	20.0	25.8	31.7	33.3	37.7	39.3	41.7	42.9	43.5	43.5	44.4	44.4	46.4
GE 14000	12.1	13.9	17.7	20.2	26.6	32.7	34.3	38.7	40.3	42.7	44.0	44.6	44.6	45.4	45.4	47.4
GE 12000	12.7	14.5	18.3	20.8	27.2	33.3	34.9	39.3	40.9	43.3	44.6	45.2	45.2	46.0	46.0	48.0
GE 10000	13.9	15.7	19.6	22.4	29.2	35.5	37.1	41.5	43.1	45.6	46.8	47.6	47.6	48.8	48.8	50.8
GE 9000	15.7	17.7	21.8	25.0	32.5	38.9	40.9	46.0	47.6	50.0	51.2	52.0	52.0	53.4	53.4	55.4
GE 8000	17.7	19.8	24.6	28.2	36.3	42.9	45.2	50.2	51.8	54.6	55.8	56.7	56.7	58.3	58.3	60.3
GE 7000	17.7	19.8	25.0	28.6	37.3	44.0	46.2	51.2	52.8	55.6	56.9	57.7	57.7	59.3	59.3	61.3
GE 6000	17.9	20.0	25.2	28.8	37.5	44.2	46.4	51.4	53.0	55.8	57.1	57.9	57.9	59.5	59.5	61.5
GE 5000	18.5	20.6	25.8	29.6	38.3	45.4	47.6	52.6	54.2	57.1	58.3	59.1	59.1	60.7	60.7	62.7
GE 4500	19.8	22.0	27.2	31.0	40.3	47.4	49.8	55.2	56.9	59.7	60.9	61.7	61.7	63.3	63.3	65.3
GE 4000	23.0	25.2	31.5	36.3	48.2	56.3	59.3	64.9	66.7	69.6	70.8	71.6	71.6	73.2	73.2	75.2
GE 3500	25.8	28.4	34.9	39.7	52.6	60.7	63.9	69.6	71.4	74.4	75.6	76.4	76.4	78.0	78.0	80.0
GE 3000	27.6	30.2	37.3	42.5	56.7	64.7	67.9	74.0	75.8	79.0	80.2	81.0	81.0	82.7	82.7	84.9
GE 2500	28.4	31.0	38.3	43.5	57.7	65.7	69.0	75.6	77.4	80.6	81.9	82.7	82.7	84.3	84.3	86.5
GE 2000	29.8	32.5	40.9	46.2	60.5	68.5	72.0	78.6	80.4	83.7	84.9	85.7	85.7	87.3	87.3	89.5
GE 1800	29.8	32.5	40.9	46.2	60.5	68.5	72.0	78.6	80.4	83.7	84.9	85.7	85.7	87.3	87.3	89.5
GE 1500	30.2	32.9	41.3	46.6	61.1	69.2	72.6	79.2	81.0	84.7	86.1	86.9	86.9	88.5	88.5	90.7
GE 1200	30.2	32.9	41.3	46.8	61.3	69.4	72.8	79.4	81.3	84.9	86.3	87.1	87.1	88.7	88.7	90.9
GE 1000	30.2	32.9	41.5	47.2	61.7	69.8	73.2	79.8	81.7	85.3	86.7	87.5	87.5	89.1	89.1	91.3
GE 900	30.2	32.9	41.7	47.4	61.9	70.0	73.4	80.2	82.1	85.7	87.1	87.9	87.9	89.5	89.5	91.7
GE 800	30.2	32.9	41.7	47.6	62.3	70.4	73.8	80.6	82.5	86.1	87.5	88.3	88.3	89.9	89.9	92.3
GE 700	30.2	32.9	41.7	47.6	62.5	70.6	74.0	80.8	82.9	86.5	87.9	88.7	88.7	90.3	90.3	92.7
GE 600	30.2	32.9	41.7	47.6	62.5	70.6	74.0	81.0	83.1	86.7	88.3	89.1	89.1	90.7	90.7	93.1
GE 500	30.2	32.9	41.7	47.6	63.1	71.2	74.6	81.7	83.7	87.3	88.9	89.7	89.7	91.3	91.3	94.2
GE 400	30.2	32.9	41.7	47.6	63.1	71.2	74.6	81.7	83.7	87.3	88.9	89.9	89.9	91.5	91.5	94.8
GE 300	30.2	32.9	41.7	47.6	63.1	71.2	74.6	81.7	83.7	87.3	88.9	89.9	89.9	91.5	91.5	95.0
GE 200	30.2	32.9	41.7	47.6	63.1	71.2	74.6	81.7	83.7	87.3	88.9	89.9	89.9	91.7	91.7	96.0
GE 100	30.2	32.9	41.7	47.6	63.1	71.2	74.6	81.7	83.7	87.3	88.9	89.9	89.9	91.7	91.7	99.2
GE 000	30.2	32.9	41.7	47.6	63.1	71.2	74.6	81.7	83.7	87.3	88.9	89.9	89.9	91.7	91.7	100.0

TOTAL NUMBER OF OBSERVATIONS 496

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106530

STATION NAME: GIEBELSTADT AAF GERMANY
LST TO UTC: - 1

PERIOD OF RECORD: OCT 80 - SEP 89
MONTH: SEP HOURS: 09-11

CEILING IN FEET	VISIBILITY IN METERS																	
	GE 112	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 08	GE 06	GE 04	GE 00		
NO CEIL	17.0	18.0	23.6	27.5	33.3	36.0	38.4	39.6	39.6	40.2	40.4	40.4	40.4	40.4	40.4	40.4	41.0	
GE 20000	18.4	19.8	26.7	31.7	38.4	41.6	44.2	45.3	45.9	46.5	46.7	46.7	46.7	46.7	46.7	46.7	47.5	
GE 18000	18.6	20.0	26.9	31.9	38.6	41.8	44.4	45.5	46.1	46.7	46.9	46.9	46.9	46.9	46.9	46.9	47.7	
GE 16000	18.8	20.4	27.3	32.3	39.0	42.2	44.8	45.9	46.5	47.1	47.3	47.3	47.3	47.3	47.3	47.3	48.1	
GE 14000	19.2	21.0	28.1	33.1	40.0	43.2	45.7	46.9	47.5	48.1	48.3	48.3	48.3	48.3	48.3	48.3	49.1	
GE 12000	20.2	22.0	29.3	34.3	41.2	44.4	46.9	48.1	48.7	49.3	49.5	49.5	49.5	49.5	49.5	49.5	50.3	
GE 10000	21.6	23.6	30.9	36.0	43.2	46.3	48.9	50.1	50.7	51.3	51.5	51.5	51.5	51.5	51.5	51.5	52.3	
GE 9000	22.2	24.2	31.5	36.6	44.2	47.5	50.1	51.3	51.9	52.5	52.7	52.7	52.7	52.7	52.7	52.7	53.5	
GE 8000	26.1	28.1	35.6	41.2	49.5	53.1	55.6	56.8	57.4	58.0	58.2	58.2	58.2	58.2	58.2	58.2	59.2	
GE 7000	27.7	29.7	37.4	43.2	51.5	55.0	57.8	59.2	60.0	60.6	60.8	60.8	60.8	60.8	60.8	61.0	61.8	
GE 6000	27.9	29.9	37.6	43.4	51.9	55.4	58.2	59.6	60.4	61.0	61.2	61.2	61.2	61.2	61.2	61.4	62.2	
GE 5000	29.1	31.3	39.0	45.0	54.1	57.6	60.4	61.8	62.8	63.4	63.6	63.6	63.6	63.6	63.6	63.8	64.6	
GE 4500	29.3	31.5	39.2	45.1	54.5	58.2	61.0	62.4	63.6	64.2	64.4	64.4	64.4	64.4	64.4	64.6	65.3	
GE 4000	33.9	36.0	45.5	52.7	63.4	67.7	70.5	72.1	73.3	73.9	74.1	74.1	74.1	74.1	74.1	74.3	75.0	
GE 3500	37.8	40.0	50.1	57.2	67.9	72.3	75.0	76.6	77.8	78.4	78.6	78.6	78.6	78.6	78.6	78.8	79.6	
GE 3000	41.8	44.2	55.4	63.2	74.9	79.8	82.6	84.2	85.3	85.9	86.1	86.1	86.1	86.1	86.1	86.3	87.1	
GE 2500	42.2	44.6	56.2	64.0	75.8	81.0	83.8	85.3	86.5	87.1	87.3	87.3	87.3	87.3	87.3	87.5	88.3	
GE 2000	43.4	46.1	58.0	65.7	77.8	83.2	85.9	87.5	88.7	89.3	89.5	89.5	89.5	89.5	89.5	89.7	90.5	
GE 1800	43.4	46.1	58.0	65.7	78.0	83.4	86.1	87.7	88.9	89.5	89.7	89.7	89.7	89.7	89.9	89.9	90.7	
GE 1500	44.6	47.3	59.8	67.5	80.0	85.3	88.1	90.3	91.5	92.1	92.3	92.3	92.3	92.3	92.5	92.5	93.3	
GE 1200	44.8	47.5	60.2	67.9	80.6	85.9	88.7	91.1	92.3	92.9	93.1	93.1	93.1	93.1	93.3	93.3	94.1	
GE 1000	44.8	47.5	60.2	68.1	81.0	86.3	89.1	91.5	92.7	93.5	93.7	93.7	93.7	93.7	93.7	93.9	94.7	
GE 900	44.8	47.5	60.2	68.1	81.2	86.5	89.3	91.7	92.9	93.7	93.9	93.9	93.9	93.9	94.1	94.9		
GE 800	44.8	47.5	60.4	68.3	81.4	86.9	89.7	92.3	93.5	94.3	94.5	94.5	94.5	94.5	94.5	94.7	95.4	
GE 700	44.8	47.5	60.4	68.3	81.4	86.9	89.9	92.5	93.7	94.5	94.7	94.7	94.7	94.7	94.9	95.6		
GE 600	44.3	47.5	60.4	68.3	81.4	86.9	90.1	92.9	94.1	94.9	95.0	95.0	95.2	95.2	95.4	96.2	96.2	
GE 500	44.8	47.5	60.4	68.3	81.8	87.5	90.7	93.5	94.7	95.4	95.6	95.6	95.8	95.8	96.0	96.0	97.0	
GE 400	44.8	47.5	60.4	68.3	81.8	87.5	90.7	93.5	94.7	95.6	95.8	95.8	96.0	96.0	96.2	96.2	97.4	
GE 300	44.8	47.5	60.4	68.3	81.8	87.5	90.7	93.5	94.7	95.8	96.0	96.0	96.4	96.4	96.6	96.6	97.8	
GE 200	44.8	47.5	60.4	68.3	81.8	87.5	90.9	93.7	94.9	96.0	96.4	96.6	97.0	97.0	97.2	98.6		
GE 100	44.8	47.5	60.4	68.3	81.8	87.5	90.9	93.7	94.9	96.0	96.4	96.6	97.0	97.0	97.2	99.4		
GE 000	44.8	47.5	60.4	68.3	81.8	87.5	90.9	93.7	94.9	96.0	96.4	96.6	97.0	97.0	97.4	100.0		

TOTAL NUMBER OF OBSERVATIONS 505

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

**PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS.**

STATION NUMBER: 106530 STATION NAME: GIEBELSTADT AAF GERMANY PERIOD OF RECORD: OCT 80 - SEP 89
LST TO UTC: - 1 MONTH: SEP HOURS: 12-14

TOTAL NUMBER OF OBSERVATIONS 508

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106530 STATION NAME: GIEBELSTADT AAF GERMANY
LST TO UTC: - 1 PERIOD OF RECORD: OCT 80 - SEP 89
MONTH: SEP HOURS: 15-17

CEILING IN FEET	VISIBILITY IN METERS															
	112	90	80	60	48	40	32	24	20	16	12	10	08	06	04	00
NO CEIL	34.7	36.8	40.2	42.2	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1
GE 20000	42.6	45.0	48.9	50.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9
GE 18000	43.0	45.3	49.3	51.3	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2
GE 16000	43.0	45.3	49.3	51.3	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2
GE 14000	43.4	45.7	49.7	51.7	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6
GE 12000	44.0	46.5	50.5	52.5	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4
GE 10000	46.1	48.7	53.1	55.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0
GE 9000	48.5	51.1	55.4	57.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4
GE 8000	54.7	57.2	61.8	64.0	68.1	68.1	68.1	68.3	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5
GE 7000	56.0	58.8	63.4	65.7	69.9	69.9	69.9	70.1	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3
GE 6000	56.0	58.8	63.4	65.7	69.9	69.9	69.9	70.1	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3
GE 5000	59.6	62.4	66.9	69.5	74.1	74.1	74.1	74.3	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5
GE 4500	60.8	63.6	69.1	71.9	76.4	76.4	76.4	76.6	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8
GE 4000	68.7	71.9	79.0	82.0	86.7	86.7	86.7	86.9	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1
GE 3500	71.1	74.3	82.2	85.3	90.1	90.1	90.1	90.3	90.5	90.5	90.7	90.7	90.7	90.7	90.7	90.7
GE 3000	74.5	77.6	86.3	89.5	94.3	94.3	94.5	94.7	94.9	94.9	95.0	95.0	95.0	95.0	95.0	95.0
GE 2500	74.5	77.6	86.3	89.9	95.0	95.2	95.4	95.6	95.8	95.8	96.0	96.0	96.0	96.0	96.0	96.0
GE 2000	75.0	78.2	87.5	91.1	96.8	97.0	97.2	97.4	97.8	98.0	98.2	98.2	98.2	98.2	98.2	98.2
GE 1800	75.0	78.2	87.5	91.1	96.8	97.0	97.2	97.4	97.8	98.0	98.2	98.2	98.2	98.2	98.2	98.2
GE 1500	75.4	78.6	87.9	91.5	97.2	97.4	97.6	97.8	98.2	98.4	98.6	98.6	98.6	98.6	98.6	98.6
GE 1200	75.4	78.6	87.9	91.5	97.2	97.4	97.6	97.8	98.2	98.4	98.6	98.6	98.6	98.6	98.6	98.6
GE 1000	75.4	78.6	87.9	91.7	97.4	97.6	97.8	98.0	98.4	98.6	98.8	98.8	98.8	98.8	98.8	98.8
GE 900	75.4	78.6	87.9	91.7	97.4	97.6	97.8	98.0	98.4	98.6	98.8	98.8	98.8	98.8	98.8	98.8
GE 800	75.4	78.6	87.9	91.7	97.4	97.6	97.8	98.0	98.2	98.6	98.8	99.0	99.0	99.0	99.0	99.0
GE 700	75.4	78.6	87.9	91.7	97.4	97.6	97.8	98.0	98.2	98.6	98.8	99.0	99.0	99.0	99.0	99.0
GE 600	75.4	78.6	87.9	91.7	97.4	97.6	97.8	98.0	98.2	98.6	98.8	99.0	99.0	99.0	99.0	99.0
GE 500	75.4	78.6	87.9	91.7	97.4	97.8	98.2	98.6	99.0	99.2	99.4	99.4	99.4	99.4	99.4	99.4
GE 400	75.4	78.6	87.9	91.7	97.8	98.2	98.8	99.2	99.6	99.8	100.0	100.0	100.0	100.0	100.0	100.0
GE 300	75.4	78.6	87.9	91.7	97.8	98.2	98.8	99.2	99.6	99.8	100.0	100.0	100.0	100.0	100.0	100.0
GE 200	75.4	78.6	87.9	91.7	97.8	98.2	98.8	99.2	99.6	99.8	100.0	100.0	100.0	100.0	100.0	100.0
GE 100	75.4	78.6	87.9	91.7	97.8	98.2	98.8	99.2	99.6	99.8	100.0	100.0	100.0	100.0	100.0	100.0
GE 000	75.4	78.6	87.9	91.7	97.8	98.2	98.8	99.2	99.6	99.8	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 505

D - 2 - 60

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106530 STATION NAME: GIEBELSTADT AAF GERMANY PERIOD OF RECORD: OCT 80 - SEP 89
LST TO UTC: - 1 MONTH: SEP HOURS: 18-20

CEILING IN FEET	VISIBILITY IN METERS															
	GE 112	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 08	GE 06	GE 04	GE 00
NO CEIL	38.9	40.4	45.4	46.0	50.3	51.2	51.4	52.5	52.5	52.7	52.7	52.7	52.7	52.7	52.7	52.7
GE 20000	44.7	46.7	52.5	53.1	57.8	58.7	58.9	60.0	60.0	60.2	60.2	60.2	60.2	60.2	60.2	60.2
GE 18000	45.2	47.1	53.1	53.8	58.7	59.6	59.8	60.9	60.9	61.1	61.1	61.1	61.1	61.1	61.1	61.1
GE 16000	45.2	47.1	53.1	53.8	58.7	59.6	59.8	60.9	60.9	61.1	61.1	61.1	61.1	61.1	61.1	61.1
GE 14000	45.4	47.3	53.3	54.0	58.9	59.8	60.0	61.1	61.1	61.3	61.3	61.3	61.3	61.3	61.3	61.3
GE 12000	45.6	47.5	53.5	54.2	59.1	60.0	60.2	61.3	61.3	61.5	61.5	61.5	61.5	61.5	61.5	61.5
GE 10000	48.2	50.1	56.6	57.2	62.2	63.0	63.2	64.3	64.3	64.5	64.5	64.5	64.5	64.5	64.5	64.5
GE 9000	50.5	52.5	59.4	60.0	64.9	65.8	66.0	67.1	67.1	67.3	67.3	67.3	67.3	67.3	67.3	67.3
GE 8000	52.7	54.6	62.4	63.0	68.4	69.2	69.5	70.5	70.5	70.8	70.8	70.8	70.8	70.8	70.8	70.8
GE 7000	54.0	55.9	64.5	65.4	71.2	72.0	72.3	73.3	73.3	73.5	73.5	73.5	73.5	73.5	73.5	73.5
GE 6000	54.0	55.9	64.5	65.4	71.2	72.0	72.3	73.3	73.3	73.5	73.5	73.5	73.5	73.5	73.5	73.5
GE 5000	58.3	60.4	69.7	70.5	76.6	77.4	77.6	78.7	78.7	78.9	78.9	78.9	78.9	78.9	78.9	78.9
GE 4500	59.6	61.7	71.4	72.3	78.7	79.6	79.8	80.9	80.9	81.1	81.1	81.1	81.1	81.1	81.1	81.1
GE 4000	65.4	67.7	78.7	80.0	86.7	87.5	87.7	88.8	89.0	89.2	89.5	89.7	89.7	89.7	89.7	89.7
GE 3500	67.5	70.1	81.7	83.0	90.1	91.0	91.2	92.3	92.5	92.7	92.9	93.1	93.1	93.1	93.1	93.1
GE 3000	68.8	71.4	83.2	84.5	92.9	93.8	94.2	95.3	95.5	95.7	95.9	96.1	96.1	96.1	96.1	96.1
GE 2500	69.2	71.8	83.7	85.2	93.5	94.4	95.1	96.1	96.3	96.6	96.8	97.0	97.0	97.0	97.0	97.0
GE 2000	69.2	71.8	83.9	85.4	93.8	94.8	95.5	96.6	96.8	97.0	97.2	97.4	97.4	97.4	97.4	97.4
GE 1800	69.2	71.8	83.9	85.4	93.8	94.8	95.5	96.6	96.8	97.0	97.2	97.4	97.4	97.4	97.4	97.4
GE 1500	69.2	71.8	83.9	85.4	93.8	95.5	96.1	97.2	97.4	97.6	97.8	98.1	98.1	98.1	98.1	98.1
GE 1200	69.2	71.8	83.9	85.4	93.8	95.5	96.1	97.2	97.4	97.6	97.8	98.1	98.1	98.1	98.1	98.1
GE 1000	69.2	71.8	83.9	85.4	94.0	95.7	96.3	97.4	97.6	97.8	98.1	98.3	98.3	98.3	98.3	98.3
GE 900	69.2	71.8	83.9	85	94.0	95.7	96.3	97.4	97.6	97.8	98.1	98.3	98.3	98.3	98.3	98.3
GE 800	69.2	71.8	83.9	85.4	94.4	96.1	96.8	97.8	98.1	98.3	98.5	98.7	98.7	98.9	98.9	98.9
GE 700	69.2	71.8	83.9	85.4	94.4	96.1	96.8	97.8	98.1	98.3	98.5	98.7	98.7	98.9	98.9	98.9
GE 600	69.2	71.8	83.9	85.4	94.6	96.3	97.0	98.1	98.3	98.5	98.7	98.9	98.9	99.1	99.1	99.1
GE 500	69.2	71.8	83.9	85.4	94.8	96.6	97.6	98.7	98.9	99.1	99.4	99.6	99.6	99.8	99.8	99.8
GE 400	69.2	71.8	83.9	85.4	94.8	96.6	97.6	98.7	98.9	99.1	99.4	99.6	99.6	99.8	99.8	99.8
GE 300	69.2	71.8	83.9	85.4	94.8	96.6	97.6	98.7	98.9	99.1	99.4	99.6	99.6	99.8	99.8	100.0
GE 200	69.2	71.8	83.9	85.4	94.8	96.6	97.6	98.7	98.9	99.1	99.4	99.6	99.6	99.8	100.0	100.0
GE 100	69.2	71.8	83.9	85.4	94.8	96.6	97.6	98.7	98.9	99.1	99.4	99.6	99.6	99.8	100.0	100.0
GE 000	69.2	71.8	83.9	85.4	94.8	96.6	97.6	98.7	98.9	99.1	99.4	99.6	99.6	99.8	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 465

D - 2 - 61

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106556

STATION NAME: GIEBELSTADT AAF GERMANY
LST TO UTC: - 1

PERIOD OF RECORD: OCT 80 - SEP 89
MONTH: SEP HOURS: 21-23

CEILING IN FEET	VISIBILITY IN METERS															
	GE 112	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 08	GE 06	GE 04	GE 00
NO CEIL	42.9	44.0	47.6	47.6	53.6	53.6	53.6	53.6	53.6	54.2	54.2	54.2	54.8	54.8	54.8	54.8
GE 20000	43.5	45.2	50.0	50.0	56.0	56.0	56.0	56.0	56.0	56.5	56.5	56.5	57.1	57.1	57.1	57.1
GE 18000	43.5	45.2	50.0	50.0	56.0	56.0	56.0	56.0	56.0	56.5	56.5	56.5	57.1	57.1	57.1	57.1
GE 16000	43.5	45.2	50.0	50.0	56.0	56.0	56.0	56.0	56.0	56.5	56.5	56.5	57.1	57.1	57.1	57.1
GE 14000	43.5	45.2	50.0	50.0	56.0	56.0	56.0	56.0	56.0	56.5	56.5	56.5	57.1	57.1	57.1	57.1
GE 12000	43.5	45.2	50.0	50.0	56.0	56.0	56.0	56.0	56.0	56.5	56.5	56.5	57.1	57.1	57.1	57.1
GE 10000	45.8	47.6	53.6	53.6	59.5	59.5	59.5	59.5	59.5	60.1	60.1	60.1	60.7	60.7	60.7	60.7
GE 9000	48.2	50.0	56.0	56.0	61.9	61.9	61.9	61.9	61.9	62.5	62.5	62.5	63.1	63.1	63.1	63.1
GE 8000	52.4	54.2	63.1	63.1	70.2	70.2	70.2	70.2	70.2	70.8	70.8	70.8	71.4	71.4	71.4	71.4
GE 7000	52.4	54.2	63.1	63.1	70.2	70.2	70.2	70.2	70.2	70.8	70.8	70.8	71.4	71.4	71.4	71.4
GE 6000	52.4	54.2	63.1	63.1	70.2	70.2	70.2	70.2	70.2	70.8	70.8	70.8	71.4	71.4	71.4	71.4
GE 5000	57.7	59.5	69.6	69.6	76.8	76.8	76.8	76.8	76.8	77.4	77.4	77.4	78.0	78.0	78.0	78.0
GE 4500	58.3	60.1	70.2	70.2	77.4	77.4	77.4	77.4	77.4	78.0	78.0	78.0	78.6	78.6	78.6	78.6
GE 4000	68.5	70.2	82.1	82.7	89.9	89.9	89.9	89.9	89.9	90.5	90.5	90.5	91.1	91.1	91.1	91.1
GE 3500	69.0	70.8	83.9	85.7	92.9	92.9	92.9	92.9	92.9	93.5	93.5	93.5	94.0	94.0	94.0	94.0
GE 3000	71.4	73.2	87.5	89.3	97.6	97.6	97.6	97.6	97.6	98.2	98.2	98.2	98.8	98.8	98.8	98.8
GE 2500	72.0	73.8	88.1	89.9	98.2	98.2	98.2	98.2	98.2	98.8	98.8	98.8	99.4	99.4	99.4	99.4
GE 2000	72.0	73.8	88.1	89.9	98.2	98.2	98.2	98.2	98.2	98.8	98.8	98.8	99.4	99.4	99.4	99.4
GE 1800	72.0	73.8	88.1	89.9	98.2	98.2	98.2	98.2	98.2	98.8	98.8	98.8	99.4	99.4	99.4	99.4
GE 1500	72.0	73.8	88.1	89.9	98.2	98.2	98.2	98.2	98.2	99.4	99.4	99.4	100.0	100.0	100.0	100.0
GE 1200	72.0	73.8	88.1	89.9	98.2	98.2	98.2	98.2	98.2	99.4	99.4	99.4	100.0	100.0	100.0	100.0
GE 1000	72.0	73.8	88.1	89.9	98.2	98.2	98.2	98.2	98.2	99.4	99.4	99.4	100.0	100.0	100.0	100.0
GE 900	72.0	73.8	88.1	89.9	98.2	98.2	98.2	98.2	98.2	99.4	99.4	99.4	100.0	100.0	100.0	100.0
GE 800	72.0	73.8	88.1	89.9	98.2	98.2	98.2	98.2	98.2	99.4	99.4	99.4	100.0	100.0	100.0	100.0
GE 700	72.0	73.8	88.1	89.9	98.2	98.2	98.2	98.2	98.2	99.4	99.4	99.4	100.0	100.0	100.0	100.0
GE 600	72.0	73.8	88.1	89.9	98.2	98.2	98.2	98.2	98.2	99.4	99.4	99.4	100.0	100.0	100.0	100.0
GE 500	72.0	73.8	88.1	89.9	98.2	98.2	98.2	98.2	98.2	99.4	99.4	99.4	100.0	100.0	100.0	100.0
GE 400	72.0	73.8	88.1	89.9	98.2	98.2	98.2	98.2	98.2	99.4	99.4	99.4	100.0	100.0	100.0	100.0
GE 300	72.0	73.8	88.1	89.9	98.2	98.2	98.2	98.2	98.2	99.4	99.4	99.4	100.0	100.0	100.0	100.0
GE 200	72.0	73.8	88.1	89.9	98.2	98.2	98.2	98.2	98.2	99.4	99.4	99.4	100.0	100.0	100.0	100.0
GE 100	72.0	73.8	88.1	89.9	98.2	98.2	98.2	98.2	98.2	99.4	99.4	99.4	100.0	100.0	100.0	100.0
GE 000	72.0	73.8	88.1	89.9	98.2	98.2	98.2	98.2	98.2	99.4	99.4	99.4	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 168

D - 2 - 62

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106530 STATION NAME: GIEBELSTADT AAF GERMANY PERIOD OF RECORD: OCT 80 - SEP 89
LST TO UTC: + 1 MONTH: SEP HOURS: ALL

CEILING IN FEET	VISIBILITY IN METERS															
	GE 112	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 08	GE 06	GE 04	GE 00
NO CEIL	27.4	28.9	33.4	35.5	40.4	42.2	43.0	44.2	44.5	45.1	45.4	45.5	45.6	45.7	45.7	46.1
GE 20000	31.3	33.0	38.3	40.8	46.3	48.2	49.1	50.4	50.8	51.5	51.7	51.8	51.9	52.0	52.0	52.6
GE 18000	31.5	33.2	38.6	41.1	46.6	48.5	49.4	50.7	51.1	51.8	52.0	52.1	52.2	52.3	52.3	52.9
GE 16000	31.5	33.3	38.7	41.2	46.7	48.7	49.5	50.8	51.2	51.9	52.1	52.2	52.3	52.4	52.4	53.0
GE 14000	31.8	33.7	39.1	41.6	47.2	49.2	50.1	51.4	51.8	52.4	52.7	52.8	52.9	53.0	53.0	53.5
GE 12000	32.4	34.2	39.7	42.2	47.9	49.9	50.8	52.1	52.5	53.1	53.4	53.5	53.5	53.7	53.7	54.2
GE 10000	34.3	36.2	41.9	44.5	50.3	52.4	53.3	54.6	55.0	55.6	55.9	56.0	56.1	56.3	56.3	56.8
GE 9000	36.0	38.0	43.9	46.5	52.5	54.7	55.6	57.0	57.4	58.1	58.3	58.5	58.5	58.8	58.8	59.3
GE 8000	39.5	41.5	47.9	50.8	57.3	59.6	60.6	62.0	62.5	63.2	63.5	63.6	63.7	64.0	64.0	64.5
GE 7000	40.6	42.7	49.5	52.4	59.2	61.5	62.5	64.0	64.5	65.2	65.4	65.6	65.6	65.9	66.0	66.5
GE 6000	40.9	43.0	49.7	52.7	59.4	61.7	62.8	64.2	64.7	65.4	65.7	65.8	65.9	66.2	66.2	66.8
GE 5000	43.6	45.7	52.7	55.8	62.8	65.2	66.2	67.7	68.2	68.9	69.2	69.3	69.4	69.7	69.7	70.2
GE 4500	44.5	46.8	54.0	57.2	64.4	66.8	67.9	69.4	70.0	70.7	70.9	71.1	71.1	71.4	71.5	72.0
GE 4000	50.5	52.8	61.4	65.2	73.3	76.0	77.2	78.8	79.4	80.2	80.5	80.7	80.7	81.0	81.0	81.6
GE 3500	53.6	56.0	65.1	69.1	77.4	80.1	81.3	83.0	83.6	84.4	84.7	84.9	84.9	85.2	85.3	85.8
GE 3000	56.7	59.2	69.1	73.3	82.5	85.4	86.7	88.4	89.0	89.8	90.2	90.4	90.4	90.7	90.7	91.3
GE 2500	57.3	59.9	70.0	74.3	83.8	86.8	88.1	90.0	90.6	91.4	91.7	91.9	92.0	92.3	92.3	92.9
GE 2000	58.2	60.8	71.3	75.7	85.5	88.5	90.0	91.8	92.5	93.4	93.7	93.9	93.9	94.2	94.3	94.8
GE 1800	58.2	60.8	71.3	75.7	85.5	88.6	90.1	91.9	92.6	93.4	93.7	93.9	94.0	94.3	94.3	94.9
GE 1500	58.6	61.2	71.9	76.3	86.1	89.3	90.9	92.8	93.5	94.4	94.8	95.0	95.0	95.3	95.4	95.9
GE 1200	58.7	61.3	72.0	76.5	86.4	89.6	91.2	93.2	93.8	94.7	95.1	95.3	95.4	95.7	95.7	96.3
GE 1000	58.7	61.3	72.0	76.6	86.6	89.9	91.4	93.4	94.1	95.0	95.4	95.6	95.6	95.9	96.0	96.5
GE 900	58.7	61.3	72.1	76.7	86.7	90.0	91.5	93.5	94.2	95.1	95.5	95.7	95.7	96.0	96.1	96.6
GE 800	58.7	61.3	72.1	76.7	86.9	90.2	91.7	93.9	94.6	95.5	95.9	96.1	96.1	96.5	96.5	97.1
GE 700	58.7	61.3	72.1	76.7	86.9	90.2	91.8	94.0	94.7	95.7	96.1	96.3	96.3	96.6	96.7	97.3
GE 600	58.7	61.3	72.1	76.7	86.9	90.3	91.9	94.1	94.9	95.8	96.3	96.4	96.5	96.9	96.9	97.5
GE 500	58.7	61.3	72.1	76.7	87.2	90.6	92.3	94.6	95.3	96.3	96.7	96.9	97.0	97.3	97.4	98.1
GE 400	58.7	61.3	72.1	76.7	87.3	90.7	92.4	94.8	95.5	96.6	97.0	97.2	97.3	97.6	97.7	98.5
GE 300	58.7	61.3	72.1	76.7	87.3	90.7	92.4	94.8	95.5	96.6	97.0	97.2	97.4	97.7	97.8	98.6
GE 200	58.7	61.3	72.1	76.7	87.3	90.7	92.5	94.8	95.6	96.6	97.1	97.4	97.5	97.8	97.9	99.0
GE 100	58.7	61.3	72.1	76.7	87.3	90.7	92.5	94.8	95.6	96.6	97.1	97.4	97.5	97.8	97.9	99.7
GE 000	58.7	61.3	72.1	76.7	87.3	90.7	92.5	94.8	95.6	96.6	97.1	97.4	97.5	97.8	98.0	100.0

TOTAL NUMBER OF OBSERVATIONS 2647

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106530 STATION NAME: GIEBELSTADT AAF GERMANY
LST TO UTC: - 1 PERIOD OF RECORD: OCT 80 - SEP 89
MONTH: OCT HOURS: 06-08

CEILING IN FEET	VISIBILITY IN METERS															
	GE 112	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 08	GE 06	GE 04	GE 00
NO CEIL	8.4	9.6	13.2	16.1	20.1	21.5	22.8	24.5	25.1	25.5	27.0	27.0	27.6	28.0	28.2	32.4
GE 20000	8.8	10.0	14.2	17.8	22.0	23.4	24.7	26.6	27.2	27.6	29.1	29.3	29.9	30.5	31.0	35.6
GE 18000	8.8	10.0	14.2	17.8	22.0	23.4	24.7	26.6	27.2	27.6	29.1	29.3	29.9	30.5	31.0	35.6
GE 16000	8.8	10.0	14.2	17.8	22.0	23.4	24.7	26.6	27.2	27.6	29.1	29.3	29.9	30.5	31.0	35.6
GE 14000	8.8	10.0	14.2	17.8	22.0	23.4	24.7	26.6	27.2	27.6	29.1	29.3	29.9	30.5	31.0	35.6
GE 12000	8.8	10.0	14.2	17.8	22.0	23.4	24.7	26.6	27.2	27.6	29.1	29.3	29.9	30.5	31.0	35.6
GE 10000	9.0	10.3	14.4	18.0	22.6	24.1	25.3	27.2	28.0	28.5	29.9	30.1	30.8	31.4	31.8	36.4
GE 9000	9.6	10.9	15.1	18.6	24.1	25.5	26.8	28.7	29.5	30.1	31.8	32.0	32.6	33.3	33.7	38.5
GE 8000	11.3	13.2	17.8	21.3	27.4	29.1	30.5	33.5	34.3	35.1	36.8	37.2	37.9	38.5	38.9	44.4
GE 7000	11.7	13.8	18.4	22.2	28.7	30.5	32.0	34.9	35.8	36.6	38.3	38.7	39.3	40.0	40.4	45.8
GE 6000	11.9	14.0	18.8	22.6	29.3	31.2	32.6	35.6	36.4	37.2	38.9	39.3	40.0	40.6	41.0	46.4
GE 5000	13.0	15.1	19.9	23.8	32.0	34.3	35.8	39.3	40.2	41.0	42.7	43.1	43.7	44.4	44.8	50.4
GE 4500	13.8	15.9	20.7	24.9	33.1	35.8	37.2	40.8	41.6	42.5	44.1	44.6	45.2	45.8	46.2	51.9
GE 4000	17.6	20.3	26.2	30.8	39.3	42.5	44.4	49.4	50.2	51.0	52.7	53.1	53.8	54.4	54.8	60.7
GE 3500	20.1	22.8	28.9	33.5	43.1	46.4	48.5	53.6	54.8	55.6	57.5	57.9	58.6	59.2	59.6	65.5
GE 3000	21.1	24.5	31.6	36.8	47.9	51.5	54.0	59.6	61.3	62.1	64.2	64.6	65.3	65.9	66.3	72.6
GE 2500	21.8	25.1	32.2	37.9	49.0	52.7	55.6	61.3	63.0	63.8	65.9	66.3	66.9	67.6	68.0	74.3
GE 2000	22.2	25.5	33.1	38.7	51.5	55.4	59.2	65.3	67.2	68.2	70.3	70.7	71.3	72.0	72.4	78.7
GE 1800	22.6	25.9	33.7	39.3	52.1	56.1	59.8	66.1	68.0	69.0	71.1	71.5	72.2	72.8	73.2	79.5
GE 1500	24.3	27.6	35.4	41.2	54.6	58.6	62.6	68.8	71.3	72.4	74.7	75.1	75.7	76.4	76.8	83.1
GE 1200	25.1	28.5	36.2	42.1	55.6	60.0	64.0	71.1	75.3	76.4	78.7	79.1	79.7	80.3	80.8	87.2
GE 1000	25.1	2.5	36.2	42.1	55.6	60.0	64.0	71.1	75.7	76.8	79.1	79.5	80.1	80.8	81.2	87.7
GE 900	25.1	28.5	36.2	42.3	56.1	60.5	64.4	71.5	76.2	77.4	79.7	80.1	80.8	81.4	81.8	88.3
GE 800	25.1	28.5	36.2	42.3	56.1	60.5	64.4	71.5	76.2	77.4	79.7	80.1	80.8	81.4	81.8	88.3
GE 700	25.1	28.5	36.2	42.3	56.1	60.5	64.4	71.5	76.2	77.4	79.7	80.1	80.8	81.4	81.8	88.3
GE 600	25.3	28.7	36.4	42.5	56.3	60.7	64.6	71.8	76.4	77.6	79.9	80.3	81.0	81.6	82.0	88.5
GE 500	25.3	28.7	36.4	42.5	56.3	60.7	64.6	72.6	77.6	79.3	81.6	82.0	82.6	83.3	83.7	90.6
GE 400	25.3	28.7	36.4	42.5	56.3	60.7	64.6	72.6	77.6	79.3	81.6	82.0	82.6	83.5	83.9	91.2
GE 300	25.3	28.7	36.6	42.7	56.5	60.9	64.9	72.8	78.0	79.7	82.2	82.6	83.3	84.1	84.5	91.8
GE 200	25.3	28.7	36.6	42.7	56.5	60.9	64.9	72.8	78.2	80.1	82.6	83.5	84.3	85.1	85.6	93.7
GE 100	25.3	28.7	36.6	42.7	56.5	60.9	64.9	72.8	78.2	80.1	82.6	83.7	84.5	86.0	86.4	99.4
GE 000	25.3	28.7	36.6	42.7	56.5	60.9	64.9	72.8	78.2	80.1	82.6	83.7	84.5	86.0	86.4	100.0

TOTAL NUMBER OF OBSERVATIONS 478

OPERATING LOCATION "A"
USAFTAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106530 STATION NAME: GIEBELSTADT AAF GERMANY PERIOD OF RECORD: OCT 80 - SEP 89
LST TO UTC: - 1 MONTH: OCT HOURS: 09-11

CEILING IN FEET	VISIBILITY IN METERS															
	GE 112	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 08	GE 06	GE 04	GE 00
NO CEIL	11.5	12.5	17.8	19.0	21.5	23.1	23.6	24.9	25.6	26.1	26.5	26.5	26.8	26.8	26.8	28.6
GE 20000	13.6	15.0	21.0	22.4	25.0	26.8	27.3	28.6	29.3	30.0	30.3	30.3	30.7	30.7	30.7	32.5
GE 18000	13.8	15.2	21.2	22.6	25.2	27.0	27.5	28.7	29.5	30.2	30.5	30.5	30.9	30.9	30.9	32.6
GE 16000	13.8	15.2	21.2	22.6	25.2	27.0	27.5	28.7	29.5	30.2	30.5	30.5	30.9	30.9	30.9	32.6
GE 14000	13.8	15.2	21.2	22.6	25.2	27.0	27.5	28.7	29.5	30.2	30.5	30.5	30.9	30.9	30.9	32.6
GE 12000	14.3	16.0	22.0	23.5	26.1	27.9	28.4	29.6	30.3	31.0	31.4	31.4	31.7	31.7	31.7	33.5
GE 10000	14.8	16.6	22.9	24.3	27.3	29.3	30.2	31.4	32.1	32.8	33.2	33.2	33.5	33.5	33.5	35.3
GE 9000	16.2	18.2	24.7	26.1	29.3	31.4	32.3	33.5	34.2	34.9	35.3	35.3	35.6	35.6	35.6	37.6
GE 8000	19.8	21.9	28.7	30.5	35.3	37.6	39.0	40.4	41.1	42.0	42.3	42.3	42.7	42.7	42.7	44.6
GE 7000	20.3	22.4	30.0	31.9	37.6	40.0	41.4	42.9	43.6	44.4	44.8	44.8	45.1	45.1	45.1	47.1
GE 6000	20.3	22.4	30.0	31.9	37.6	40.0	41.4	42.9	43.6	44.4	44.8	44.8	45.1	45.1	45.1	47.1
GE 5000	21.7	24.3	32.5	34.6	40.9	43.7	45.3	46.9	47.6	48.5	48.9	48.9	49.2	49.2	49.4	51.3
GE 4500	22.9	25.6	33.7	36.0	42.7	45.7	47.4	49.0	49.7	50.6	51.1	51.1	51.5	51.5	51.7	53.6
GE 4000	26.1	30.3	39.2	42.2	49.6	53.1	55.0	57.0	57.7	58.6	59.1	59.1	59.4	59.4	59.6	61.6
GE 3500	28.7	33.3	42.2	45.9	53.6	57.1	59.1	61.0	61.9	62.8	63.5	63.5	63.8	63.8	64.0	66.0
GE 3000	31.6	37.2	46.4	50.4	59.1	63.1	65.1	67.4	68.3	69.1	69.8	69.8	70.2	70.2	70.5	72.5
GE 2500	32.1	37.7	46.9	51.1	60.0	64.6	66.5	69.0	69.8	70.7	71.4	71.4	71.8	71.8	72.1	74.1
GE 2000	33.3	39.0	48.9	53.8	63.3	68.3	70.5	73.4	74.3	75.1	75.8	75.8	76.2	76.2	76.5	78.5
GE 1800	33.5	39.2	49.2	54.1	63.8	69.0	71.4	74.3	75.1	76.0	76.7	76.7	77.1	77.1	77.4	79.4
GE 1500	34.2	39.9	50.3	55.4	65.8	70.9	73.5	76.7	77.6	78.7	79.4	79.4	79.7	79.7	80.1	82.0
GE 1200	34.7	40.4	51.0	56.1	67.0	72.8	76.4	80.2	81.3	82.4	83.1	83.1	83.4	83.4	83.8	85.7
GE 1000	34.7	40.4	51.0	56.1	67.4	73.2	76.9	80.8	82.0	83.4	84.1	84.1	84.5	84.5	84.8	86.8
GE 900	34.7	40.4	51.0	56.4	68.1	73.9	77.6	81.5	82.7	84.1	84.8	84.8	85.2	85.2	85.5	87.5
GE 800	34.7	40.4	51.0	56.4	68.6	74.4	78.7	82.7	84.1	85.5	86.2	86.2	86.6	86.6	86.9	88.9
GE 700	34.7	40.4	51.0	56.8	69.1	75.0	79.2	83.4	85.0	86.6	87.3	87.5	87.8	87.8	88.4	90.3
GE 600	34.9	40.6	51.1	57.0	69.3	75.3	79.5	83.8	85.4	87.1	87.8	88.0	88.4	88.4	88.9	91.0
GE 500	34.9	40.6	51.1	57.0	69.5	75.7	80.1	84.5	86.2	88.2	88.9	89.1	89.4	89.6	90.1	92.6
GE 400	34.9	40.6	51.1	57.0	69.5	75.7	80.1	84.5	86.2	88.4	89.2	89.6	89.9	90.1	90.8	93.8
GE 300	34.9	40.6	51.1	57.0	69.5	75.7	80.1	84.7	86.4	88.5	89.6	90.1	90.7	91.0	91.7	94.9
GE 200	34.9	40.6	51.1	57.0	69.5	75.7	80.1	84.7	86.4	88.5	89.9	90.7	91.2	91.5	92.2	96.8
GE 100	34.9	40.6	51.1	57.0	69.5	75.7	80.1	84.7	86.4	88.5	89.9	90.7	91.2	91.5	92.2	99.8
GE 000	34.9	40.6	51.1	57.0	69.5	75.7	80.1	84.7	86.4	88.5	89.9	90.7	91.2	91.5	92.2	100.0

TOTAL NUMBER OF OBSERVATIONS 567

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106530

STATION NAME: GIEBELSTADT AAF GERMANY
LST TO UTC: - 1

PERIOD OF RECORD: OCT 80 - SEP 89
MONTH: OCT HOURS: 12-14

CEILING IN FEET	VISIBILITY IN METERS															
	GE 112	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 08	GE 06	GE 04	GE 00
NO CEIL	16.7	19.0	21.5	24.3	28.0	28.7	29.3	29.4	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.1
GE 20000	22.2	26.2	29.1	32.3	36.2	36.9	37.4	37.8	38.3	38.3	38.3	38.3	38.3	38.3	38.3	38.5
GE 18000	22.2	26.2	29.1	32.3	36.3	37.1	37.6	37.9	38.5	38.5	38.5	38.5	38.5	38.5	38.5	38.7
GE 16000	22.2	26.2	29.1	32.3	36.3	37.1	37.6	37.9	38.5	38.5	38.5	38.5	38.5	38.5	38.5	38.7
GE 14000	22.5	26.6	29.4	32.6	36.7	37.4	37.9	38.3	38.8	38.8	38.8	38.8	38.8	38.8	38.8	39.0
GE 12000	23.0	27.1	30.0	33.2	37.2	37.9	38.5	38.8	39.4	39.4	39.4	39.4	39.4	39.4	39.4	39.5
GE 10000	23.9	28.2	31.2	34.6	38.7	39.4	39.9	40.4	41.1	41.1	41.1	41.1	41.1	41.1	41.1	41.3
GE 9000	25.9	30.3	33.7	37.1	41.1	41.8	42.4	42.9	43.6	43.6	43.6	43.6	43.6	43.6	43.6	43.8
GE 8000	27.8	32.4	36.0	40.1	44.3	45.0	45.6	46.1	46.8	46.8	46.8	46.8	46.8	46.8	46.8	47.0
GE 7000	29.3	34.6	38.8	43.1	47.7	48.4	48.9	49.5	50.2	50.2	50.2	50.2	50.2	50.2	50.2	50.4
GE 6000	29.4	34.8	39.0	43.3	47.9	48.6	49.1	49.6	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.5
GE 5000	31.7	37.2	42.2	46.6	51.6	52.3	52.8	53.4	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.3
GE 4500	32.4	37.9	42.9	47.3	53.0	53.7	54.3	54.8	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.7
GE 4000	36.2	42.2	47.7	52.3	58.7	59.9	60.6	61.2	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.2
GE 3500	41.0	47.9	54.4	59.4	66.5	68.1	68.8	69.3	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.4
GE 3000	45.7	55.3	63.1	68.4	77.1	79.1	80.0	80.5	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.7
GE 2500	46.6	56.2	64.4	70.4	79.4	81.7	82.6	83.5	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.8
GE 2000	48.2	57.8	66.5	72.7	82.6	85.3	86.3	87.2	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.5
GE 1800	48.9	58.5	67.6	73.8	83.9	86.5	87.6	88.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.7
GE 1500	49.6	59.4	68.4	74.6	85.1	87.8	88.8	89.7	90.8	90.8	90.8	90.8	90.8	90.8	90.8	91.0
GE 1200	49.6	59.4	68.4	74.6	86.3	89.7	91.7	92.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.8
GE 1000	49.6	59.4	68.6	75.0	87.1	90.4	92.4	93.4	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.9
GE 900	49.8	59.6	68.8	75.2	87.2	91.0	92.9	94.0	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.6
GE 800	49.8	59.6	69.1	75.5	87.6	91.5	93.4	94.5	96.1	96.1	96.1	96.1	96.1	96.1	96.3	96.5
GE 700	49.8	59.6	69.3	75.7	87.8	91.7	93.6	95.2	97.0	97.0	97.0	97.0	97.0	97.3	97.3	97.5
GE 600	49.8	59.6	69.3	75.7	87.9	91.8	94.1	95.9	97.7	97.7	97.7	97.7	97.7	98.0	98.0	98.2
GE 500	49.8	59.6	69.3	75.7	87.9	91.8	94.1	96.1	98.0	98.0	98.0	98.0	98.0	98.6	98.6	98.8
GE 400	49.8	59.6	69.3	75.7	87.9	91.8	94.1	96.1	98.0	98.2	98.2	98.2	98.2	98.8	98.8	98.9
GE 300	49.8	59.6	69.3	75.7	87.9	91.8	94.1	96.1	98.0	98.2	98.2	98.2	98.2	98.8	98.8	98.9
GE 200	49.8	59.6	69.3	75.7	87.9	91.8	94.1	96.1	98.0	98.2	98.2	98.2	98.4	98.4	99.1	99.3
GE 100	49.8	59.6	69.3	75.7	87.9	91.8	94.1	96.1	98.0	98.2	98.2	98.4	98.4	99.1	99.3	100.0
GE 000	49.8	59.6	69.3	75.7	87.9	91.8	94.1	96.1	98.0	98.2	98.2	98.4	98.4	99.1	99.3	100.0

TOTAL NUMBER OF OBSERVATIONS 564

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

**PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS**

STATION NUMBER: 106530

STATION NAME: GIEBELSTADT AAF GERMANY
LST TO UTC: : 1

PERIOD OF RECORD: OCT 80 - SEP 89
MONTH: OCT HOURS: 15-17

CEILING		VISIBILITY IN METERS															
IN FEET	GE	GE 112	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 08	GE 06	GE 04	GE 00
NO CEIL		19.2	23.2	27.5	29.5	34.4	35.3	35.8	36.0	36.0	36.0	36.0	36.0	36.0	36.0	36.0	36.0
GE 20000	22.7	27.0	31.7	34.0	38.8	39.9	40.5	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6
GE 18000	22.7	27.0	31.7	34.0	38.8	39.9	40.5	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6
GE 16000	22.7	27.0	31.7	34.0	38.8	39.9	40.5	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6
GE 14000	22.7	27.0	32.0	34.4	39.2	40.3	40.8	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0
GE 12000	23.4	27.9	32.9	35.3	40.5	41.5	42.1	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3
GE 10000	25.4	30.4	35.4	37.9	43.2	44.2	44.8	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0
GE 9000	26.8	32.2	37.9	40.5	46.0	47.1	47.7	47.8	47.8	47.8	47.8	47.8	47.8	47.8	47.8	47.8	47.8
GE 8000	31.5	37.6	43.5	46.0	52.2	53.2	53.8	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0
GE 7000	34.5	41.4	47.7	50.5	56.8	57.9	58.5	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6
GE 6000	34.5	41.4	47.7	50.9	57.2	58.3	58.8	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0
GE 5000	37.4	44.6	52.0	55.2	62.2	63.3	63.8	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0
GE 4500	38.8	46.4	54.0	57.6	64.6	65.6	66.2	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4
GE 4000	44.6	52.9	61.2	64.7	72.1	73.2	73.7	73.9	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1
GE 3500	47.5	56.7	65.3	69.2	77.9	79.0	79.5	79.7	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9
GE 3000	51.8	62.4	72.5	76.4	86.7	87.8	88.5	88.7	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8
GE 2500	52.2	63.3	73.9	77.9	88.5	89.7	90.5	90.6	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8
GE 2000	53.1	64.4	75.0	79.3	90.3	91.7	92.4	92.6	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8
GE 1800	53.6	64.9	75.5	79.9	90.8	92.3	93.0	93.2	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3
GE 1500	53.8	65.1	75.9	80.2	91.2	92.8	93.5	93.7	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1
GE 1200	54.0	65.3	76.1	80.8	92.1	94.4	95.7	96.2	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8
GE 1000	54.0	65.3	76.4	81.1	92.4	94.8	96.0	96.6	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1
GE 900	54.0	65.3	76.4	81.1	92.4	94.8	96.0	96.6	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3
GE 800	54.0	65.3	76.4	81.1	92.6	95.3	96.6	97.1	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8
GE 700	54.0	65.3	76.4	81.1	92.6	95.5	96.9	97.5	98.6	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
GE 600	54.0	65.3	76.4	81.1	92.6	95.5	96.9	97.5	98.6	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
GE 500	54.0	65.3	76.4	81.1	92.6	95.5	96.9	97.7	98.9	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
GE 400	54.0	65.3	76.4	81.1	92.6	95.5	96.9	97.7	98.9	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
GE 300	54.0	65.3	76.4	81.1	92.6	95.5	96.9	97.7	98.9	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
GE 200	54.0	65.3	76.4	81.1	92.6	95.5	96.9	97.7	98.9	99.1	99.1	99.1	99.3	99.3	99.8	99.8	100.0
GE 100	54.0	65.3	76.4	81.1	92.6	95.5	96.9	97.7	98.9	99.1	99.1	99.3	99.3	99.8	99.8	100.0	
GE 000	54.0	65.3	76.4	81.1	92.6	95.5	96.9	97.7	98.9	99.1	99.1	99.3	99.3	99.8	99.8	100.0	

TOTAL NUMBER OF OBSERVATIONS 556

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106530

STATION NAME: GIEBELSTADT AAF GERMANY
LST TO UTC: - 1

PERIOD OF RECORD: OCT 80 - SEP 89
MONTH: OCT HOURS: 18-20

CEILING IN FEET	VISIBILITY IN METERS															
	GE 112	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 08	GE 06	GE 04	GE 00
NO CEIL	22.8	25.9	32.7	34.1	41.3	43.9	45.1	45.5	45.7	45.7	45.9	45.9	45.9	45.9	45.9	45.9
GE 20000	24.8	27.9	35.3	36.7	44.7	47.3	48.5	48.9	49.1	49.1	49.3	49.3	49.3	49.3	49.3	49.3
GE 18000	24.8	27.9	35.3	36.7	44.7	47.3	48.5	48.9	49.1	49.1	49.3	49.3	49.3	49.3	49.3	49.3
GE 16000	24.8	27.9	35.3	36.7	44.7	47.3	48.5	48.9	49.1	49.1	49.3	49.3	49.3	49.3	49.3	49.3
GE 14000	24.8	27.9	35.3	36.7	44.7	47.3	48.5	48.9	49.1	49.1	49.3	49.3	49.3	49.3	49.3	49.3
GE 12000	25.5	28.5	36.3	37.9	45.9	48.5	49.7	50.1	50.3	50.3	50.5	50.5	50.5	50.5	50.5	50.5
GE 10000	26.9	30.3	38.1	39.7	48.1	50.7	51.9	52.3	52.9	52.9	53.3	53.3	53.3	53.3	53.3	53.3
GE 9000	28.5	32.1	40.1	41.7	50.1	52.7	54.5	54.9	55.5	55.5	55.9	55.9	55.9	55.9	55.9	55.9
GE 8000	30.7	34.3	42.7	44.3	52.9	55.7	57.5	57.9	58.5	58.5	58.9	58.9	58.9	58.9	58.9	58.9
GE 7000	32.9	37.1	45.7	47.3	55.9	58.7	60.5	60.9	61.5	61.5	61.9	61.9	61.9	61.9	61.9	61.9
GE 6000	33.5	37.7	46.3	47.9	56.5	59.3	61.1	61.5	62.1	62.1	62.5	62.5	62.5	62.5	62.5	62.5
GE 5000	36.5	41.3	50.5	52.1	61.9	64.7	66.5	66.9	67.5	67.5	67.9	67.9	67.9	67.9	67.9	67.9
GE 4500	37.9	42.7	51.9	53.5	63.3	66.1	67.9	68.3	68.9	68.9	69.3	69.3	69.3	69.3	69.3	69.3
GE 4000	40.9	46.1	56.1	57.7	68.7	71.9	73.7	74.1	74.7	74.7	75.2	75.2	75.2	75.2	75.2	75.2
GE 3500	44.9	50.1	60.7	63.1	75.6	79.2	81.0	81.4	82.0	82.0	82.4	82.4	82.4	82.4	82.4	82.4
GE 3000	50.7	55.9	66.7	69.7	83.8	87.4	89.6	90.0	90.6	90.6	91.0	91.0	91.0	91.0	91.0	91.0
GE 2500	50.9	56.5	67.9	70.9	85.2	88.8	91.0	92.0	92.6	92.6	93.0	93.0	93.0	93.0	93.0	93.0
GE 2000	51.3	56.9	68.3	71.3	85.8	89.4	91.6	92.6	93.2	93.2	93.6	93.6	93.6	93.6	93.6	93.6
GE 1800	51.7	57.3	68.7	71.7	86.4	90.0	92.2	93.2	93.8	93.8	94.2	94.2	94.2	94.2	94.2	94.2
GE 1500	52.1	57.7	69.1	72.1	86.8	90.6	92.8	94.0	94.6	94.6	95.0	95.0	95.0	95.0	95.0	95.0
GE 1200	52.3	57.9	69.7	72.7	88.2	92.4	94.8	96.2	96.8	97.0	97.4	97.4	97.4	97.4	97.4	97.4
GE 1000	52.3	57.9	69.7	72.7	88.2	92.4	94.8	96.2	97.0	97.2	97.6	97.6	97.6	97.6	97.6	97.6
GE 900	52.3	57.9	69.7	72.7	88.6	92.8	95.2	96.6	97.4	97.6	98.0	98.0	98.0	98.0	98.0	98.0
GE 800	52.3	57.9	69.7	72.7	88.8	93.2	95.6	97.2	98.0	98.2	98.6	98.6	98.6	98.6	98.6	98.6
GE 700	52.3	57.9	69.7	72.7	88.8	93.2	95.6	97.2	98.4	98.8	99.2	99.2	99.2	99.2	99.2	99.2
GE 600	52.3	57.9	69.7	72.7	88.8	93.2	95.6	97.2	98.4	98.8	99.2	99.2	99.2	99.2	99.2	99.2
GE 500	52.3	57.9	69.7	72.7	88.8	93.2	95.6	97.2	98.4	98.8	99.2	99.2	99.2	99.2	99.2	99.2
GE 400	52.3	57.9	69.7	72.7	88.8	93.2	95.6	97.4	98.6	99.0	99.4	99.4	99.4	99.4	99.4	99.4
GE 300	52.3	57.9	69.7	72.7	88.8	93.2	95.6	97.4	98.6	99.0	99.4	99.4	99.4	99.4	99.4	99.4
GE 200	52.3	57.9	69.7	72.7	88.8	93.2	95.6	97.4	98.6	99.0	99.4	99.4	99.4	99.4	99.4	99.4
GE 100	52.3	57.9	69.7	72.7	88.8	93.2	95.6	97.4	98.6	99.0	99.4	99.4	99.4	99.4	99.4	99.4
GE 000	52.3	57.9	69.7	72.7	88.8	93.2	95.6	97.4	98.6	99.0	99.4	99.4	99.4	99.4	99.4	100.0

TOTAL NUMBER OF OBSERVATIONS 499

OPERATING LOCATION "A"
USAFTAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106530 STATION NAME: GIEBELSTADT AAF GERMANY PERIOD OF RECORD: OCT 80 - SEP 89
LST TO UTC: - 1 MONTH: OCT HOURS: 21-23

CEILING IN FEET	VISIBILITY IN METERS																	
	GE 112	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 08	GE 06	GE 04	GE 00		
NO CEIL	22.7	24.1	28.7	30.9	39.4	41.5	44.3	45.0	45.4	45.7	46.5	46.5	46.8	46.8	46.8	46.8		
GE 20000	24.8	26.6	31.2	34.0	43.3	45.4	48.2	48.9	49.3	49.6	50.4	50.4	50.7	50.7	50.7	50.7	50.7	
GE 18000	25.2	27.0	31.6	34.4	43.6	45.7	48.6	49.3	49.6	50.0	50.7	50.7	51.1	51.1	51.1	51.1		
GE 16000	25.2	27.0	31.6	34.4	43.6	45.7	48.6	49.3	49.6	50.0	50.7	50.7	51.1	51.1	51.1	51.1		
GE 14000	25.2	27.0	31.6	34.4	43.6	45.7	48.6	49.3	49.6	50.0	50.7	50.7	51.1	51.1	51.1	51.1		
GE 12000	25.9	27.7	32.3	35.1	44.3	46.5	49.3	50.0	50.4	50.7	51.4	51.4	51.8	51.8	51.8	51.8		
GE 10000	28.0	29.8	34.4	37.2	46.5	48.9	51.8	52.5	53.2	53.5	54.3	54.3	54.6	54.6	54.6	54.6		
GE 9000	29.4	31.2	35.8	38.7	47.9	50.4	53.2	53.9	54.6	55.0	55.7	55.7	56.0	56.0	56.0	56.0		
GE 8000	33.0	34.8	40.4	43.3	52.8	56.0	58.9	59.6	60.3	60.6	61.3	61.3	61.7	61.7	61.7	61.7		
GE 7000	34.4	36.5	42.6	45.4	55.0	58.2	61.3	62.1	62.8	63.1	63.8	63.8	64.2	64.2	64.2	64.2		
GE 6000	35.1	37.2	43.3	46.1	55.7	58.9	62.1	62.8	63.5	63.8	64.5	64.5	64.9	64.9	64.9	64.9		
GE 5000	38.3	40.8	46.8	50.7	61.0	64.2	67.4	68.1	68.8	69.1	69.9	69.9	70.2	70.2	70.2	70.2		
GE 4500	39.0	41.5	47.5	51.4	61.7	64.9	68.1	68.8	69.5	69.9	70.6	70.6	70.9	70.9	70.9	70.9		
GE 4000	41.8	44.7	52.5	57.1	68.1	71.6	74.8	75.9	76.6	77.0	77.7	77.7	78.0	78.0	78.0	78.0		
GE 3500	44.3	47.2	55.3	60.6	72.7	76.2	79.4	80.5	81.6	81.9	82.6	82.6	83.0	83.0	83.0	83.0		
GE 3000	48.2	51.4	60.3	65.6	79.8	83.3	86.9	87.9	89.0	89.4	90.1	90.1	90.4	90.4	90.4	90.4		
GE 2500	48.2	51.4	61.3	67.0	81.2	84.8	88.3	90.1	91.1	91.5	92.2	92.2	92.6	92.6	92.6	92.6		
GE 2000	48.2	51.4	61.3	67.0	81.6	85.5	89.0	90.8	91.8	92.2	92.9	92.9	93.3	93.3	93.3	93.3		
GE 1800	48.2	51.4	61.3	67.4	82.3	86.2	89.7	91.5	92.6	92.9	93.6	93.6	94.0	94.0	94.0	94.0		
GE 1500	48.6	51.8	61.7	67.7	82.6	86.5	90.1	91.8	92.9	93.3	94.0	94.0	94.3	94.3	94.3	94.3		
GE 1200	48.9	52.1	62.1	68.1	83.0	87.9	91.8	93.6	95.0	95.7	96.5	96.5	96.8	96.8	96.8	96.8		
GE 1000	48.9	52.1	62.1	68.1	83.0	87.9	91.8	93.6	95.0	95.7	96.5	96.5	96.8	96.8	96.8	96.8		
GE 900	48.9	52.1	62.1	68.1	83.3	88.3	92.2	94.0	95.7	96.5	97.2	97.2	97.5	97.5	97.5	97.5		
GE 800	48.9	52.1	62.1	68.1	83.7	88.7	92.6	94.3	96.1	96.8	97.5	97.5	97.9	97.9	97.9	97.9		
GE 700	48.9	52.1	62.1	68.1	83.7	88.7	92.6	94.3	96.1	96.8	97.5	97.5	97.9	97.9	97.9	97.9		
GE 600	48.9	52.1	62.1	68.1	83.7	88.7	92.6	94.3	96.1	96.8	97.5	97.5	97.9	97.9	97.9	97.9		
GE 500	48.9	52.1	62.1	68.1	83.7	88.7	92.6	94.3	96.1	96.8	97.5	97.5	97.9	97.9	97.9	97.9		
GE 400	48.9	52.1	62.1	68.1	83.7	88.7	92.6	94.3	96.1	96.8	97.5	97.5	97.9	97.9	97.9	97.9		
GE 300	48.9	52.1	62.1	68.1	83.7	88.7	92.6	94.3	96.1	96.8	97.5	97.5	97.9	98.2	98.2	98.2		
GE 200	48.9	52.1	62.1	68.1	83.7	88.7	92.6	94.3	96.1	96.8	97.5	97.5	97.9	98.2	98.2	98.6		
GE 100	48.9	52.1	62.1	68.1	83.7	88.7	92.6	94.3	96.1	96.8	97.5	97.5	97.9	98.2	98.2	100.0		
GE 000	48.9	52.1	62.1	68.1	83.7	88.7	92.6	94.3	96.1	96.8	97.5	97.5	97.9	98.2	98.2	100.0		

TOTAL NUMBER OF OBSERVATIONS 282

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106530

STATION NAME: GIEBELSTADT AAF GERMANY
LST TO UTC: - 1

PERIOD OF RECORD: OCT 80 - SEP 89
MONTH: OCT HOURS: ALL

CEILING IN FEET	VISIBILITY IN METERS															
	GE 112	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 08	GE 06	GE 04	GE 00
NO CEIL	16.4	18.7	23.2	25.2	30.0	31.5	32.5	33.2	33.6	33.8	34.2	34.2	34.4	34.5	34.5	35.6
GE 20000	19.1	21.9	26.8	29.3	34.4	35.9	36.9	37.7	38.1	38.3	38.7	38.8	39.0	39.1	39.1	40.3
GE 18000	19.2	22.0	26.9	29.3	34.5	36.0	37.0	37.8	38.2	38.4	38.8	38.9	39.1	39.2	39.2	40.4
GE 16000	19.2	22.0	26.9	29.3	34.5	36.0	37.0	37.8	38.2	38.4	38.8	38.9	39.1	39.2	39.2	40.4
GE 14000	19.3	22.0	27.1	29.5	34.6	36.2	37.1	37.9	38.3	38.6	39.0	39.0	39.2	39.3	39.4	40.5
GE 12000	19.8	22.6	27.7	30.2	35.4	36.9	37.9	38.7	39.1	39.3	39.7	39.8	40.0	40.1	40.2	41.3
GE 10000	20.9	24.0	29.2	31.7	37.1	38.7	39.7	40.6	41.1	41.4	41.8	41.9	42.1	42.2	42.2	43.3
GE 9000	22.3	25.6	31.0	33.5	39.2	40.8	42.0	42.8	43.4	43.7	44.1	44.2	44.4	44.5	44.5	45.7
GE 8000	25.3	28.8	34.6	37.3	43.6	45.4	46.7	47.7	48.3	48.6	49.1	49.2	49.4	49.5	49.6	50.8
GE 7000	26.8	30.8	37.0	39.9	46.5	48.4	49.7	50.7	51.3	51.6	52.1	52.2	52.4	52.5	52.5	53.8
GE 6000	27.0	31.0	37.3	40.2	46.8	48.7	50.1	51.1	51.7	52.0	52.5	52.5	52.7	52.9	52.9	54.2
GE 5000	29.3	33.6	40.4	43.6	51.0	53.1	54.4	55.6	56.1	56.5	57.0	57.0	57.2	57.3	57.4	58.8
GE 4500	30.3	34.7	41.6	44.9	52.5	54.7	56.1	57.2	57.8	58.1	58.7	58.7	58.9	59.0	59.1	60.5
GE 4000	34.1	39.3	47.0	50.6	58.9	61.4	63.0	64.5	65.1	65.4	66.0	66.0	66.2	66.3	66.4	67.8
GE 3500	37.4	43.0	51.1	55.2	64.5	67.2	68.7	70.2	71.0	71.4	71.9	72.0	72.2	72.3	72.4	73.8
GE 3000	41.2	47.9	56.9	61.3	72.1	75.0	76.8	78.4	79.3	79.7	80.3	80.3	80.5	80.7	80.8	82.2
GE 2500	41.7	48.5	57.9	62.6	73.6	76.7	78.6	80.5	81.4	81.7	82.3	82.4	82.6	82.7	82.9	84.3
GE 2000	42.6	49.4	59.1	64.0	75.7	79.1	81.2	83.3	84.2	84.6	85.2	85.2	85.4	85.5	85.7	87.1
GE 1800	43.0	49.8	59.6	64.6	76.4	79.8	82.0	84.1	85.0	85.4	86.0	86.0	86.3	86.4	86.5	87.9
GE 1500	43.7	50.5	60.5	65.5	77.6	81.1	83.3	85.5	86.6	87.0	87.6	87.7	87.9	88.0	88.1	89.5
GE 1200	44.0	50.9	60.9	66.0	78.7	82.8	85.5	88.1	89.5	90.0	90.7	90.7	90.9	91.0	91.2	92.6
GE 1000	44.0	50.9	61.0	66.1	79.0	83.1	85.8	88.5	90.1	90.6	91.2	91.3	91.5	91.6	91.8	93.2
GE 900	44.0	50.9	61.0	66.3	79.3	83.5	86.3	88.9	90.6	91.1	91.8	91.9	92.1	92.2	92.3	93.8
GE 800	44.0	50.9	61.1	66.3	79.6	83.9	86.8	89.4	91.2	91.8	92.4	92.5	92.7	92.8	93.0	94.4
GE 700	44.0	50.9	61.1	66.4	79.7	84.1	87.0	89.8	91.8	92.4	93.1	93.2	93.4	93.6	93.7	95.2
GE 600	44.1	51.0	61.2	66.5	79.8	84.2	87.2	90.0	92.0	92.7	93.3	93.4	93.7	93.8	94.0	95.5
GE 500	44.1	51.0	61.2	66.5	79.9	84.3	87.3	90.4	92.5	93.3	94.0	94.1	94.3	94.5	94.7	96.3
GE 400	44.1	51.0	61.2	66.5	79.9	84.3	87.3	90.4	92.5	93.4	94.1	94.2	94.4	94.7	94.9	96.7
GE 300	44.1	51.0	61.2	66.5	79.9	84.3	87.3	90.5	92.6	93.5	94.3	94.4	94.7	95.0	95.2	97.1
GE 200	44.1	51.0	61.2	66.5	79.9	84.3	87.3	90.5	92.7	93.6	94.4	94.7	95.0	95.5	95.7	98.0
GE 100	44.1	51.0	61.2	66.5	79.9	84.3	87.3	90.5	92.7	93.6	94.4	94.8	95.0	95.6	95.9	99.9
GE 000	44.1	51.0	61.2	66.5	79.9	84.3	87.3	90.5	92.7	93.6	94.4	94.8	95.0	95.6	95.9	100.0

TOTAL NUMBER OF OBSERVATIONS 2946

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106530 STATION NAME: GIEBELSTADT AAF GERMANY PERIOD OF RECORD: OCT 80 - SEP 89
LST TO UTC: - 1 MONTH: NOV HOURS: 06-08

CEILING IN FEET	VISIBILITY IN METERS															
	GE 112	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 08	GE 06	GE 04	GE 00
NO CEIL	9.6	10.8	13.7	15.2	18.1	19.4	20.8	22.5	23.3	23.5	24.3	24.3	24.3	24.5	25.0	26.2
GE 20000	10.0	11.3	14.2	15.7	18.9	20.1	21.6	23.3	24.0	24.3	25.0	25.0	25.0	25.2	25.7	27.9
GE 18000	10.0	11.3	14.2	15.7	18.9	20.1	21.6	23.3	24.0	24.3	25.0	25.0	25.0	25.2	25.7	27.9
GE 16000	10.0	11.3	14.2	15.7	18.9	20.1	21.6	23.3	24.0	24.3	25.0	25.0	25.0	25.2	25.7	27.9
GE 14000	10.0	11.3	14.2	15.7	18.9	20.1	21.6	23.3	24.0	24.3	25.0	25.0	25.0	25.2	25.7	27.9
GE 12000	10.0	11.3	14.2	15.7	18.9	20.1	21.6	23.3	24.0	24.3	25.0	25.0	25.0	25.2	25.7	27.9
GE 10000	10.0	11.3	14.2	15.9	19.1	20.3	21.8	23.5	24.3	24.5	25.2	25.2	25.2	25.5	26.0	28.2
GE 9000	10.5	11.8	15.0	16.7	19.9	21.1	22.5	24.3	25.0	25.2	26.0	26.0	26.0	26.5	27.0	29.2
GE 8000	12.7	14.2	17.4	19.9	23.3	24.8	26.2	27.9	28.7	28.9	29.7	29.9	29.9	30.4	30.9	33.1
GE 7000	13.5	15.0	18.4	20.8	24.3	25.7	27.2	29.4	30.1	30.6	31.4	31.6	31.6	32.1	32.6	34.8
GE 6000	13.5	15.0	18.4	20.8	24.3	25.7	27.2	29.4	30.1	30.6	31.4	31.6	31.6	32.1	32.6	34.8
GE 5000	14.5	15.9	20.3	23.0	26.7	28.4	29.9	32.1	32.8	33.3	34.1	34.3	34.3	34.8	35.3	37.5
GE 4500	15.2	16.9	21.3	24.0	28.2	30.6	32.1	34.3	35.0	35.5	36.3	36.5	36.5	37.0	37.5	39.7
GE 4000	20.1	23.0	28.2	31.6	36.8	39.7	41.7	44.1	45.3	45.8	46.8	47.1	47.1	47.5	48.0	50.2
GE 3500	22.1	25.0	30.9	34.8	40.9	44.1	46.6	49.0	50.2	50.7	51.7	52.0	52.0	52.5	52.9	55.1
GE 3000	25.2	29.4	36.5	41.4	49.3	52.9	55.4	57.8	59.1	59.6	60.5	60.8	60.8	61.3	61.8	64.0
GE 2500	25.5	29.7	37.0	42.2	50.0	53.7	56.1	58.8	60.0	60.5	61.5	61.8	61.8	62.3	62.7	65.0
GE 2000	28.2	32.4	40.2	45.6	54.7	59.1	61.8	65.0	66.4	67.2	68.4	68.6	68.6	69.1	69.6	71.8
GE 1800	28.4	32.6	40.4	45.8	54.9	59.3	62.0	65.2	66.7	67.4	68.6	68.9	68.9	69.4	69.9	72.1
GE 1500	29.7	33.8	41.7	47.1	57.1	62.0	64.7	67.9	69.4	70.3	71.6	72.1	72.1	72.5	73.0	75.2
GE 1200	30.1	34.3	42.4	47.8	59.1	64.5	67.4	70.6	72.3	73.3	74.5	75.0	75.0	75.5	76.0	78.2
GE 1000	30.1	34.3	42.9	48.3	60.5	66.4	69.6	73.0	74.8	75.7	77.2	77.7	77.7	78.2	78.7	80.9
GE 900	30.1	34.3	43.1	48.5	61.3	67.4	70.6	74.5	76.2	77.2	78.7	79.2	79.2	79.7	80.1	82.6
GE 800	30.1	34.3	43.1	48.5	62.3	68.4	71.6	75.7	77.5	78.4	79.9	80.4	80.4	80.9	81.4	83.8
GE 700	30.1	34.3	43.1	48.5	62.3	68.4	72.1	76.5	78.4	79.4	80.9	81.4	81.4	81.9	82.4	84.8
GE 600	30.1	34.3	43.1	48.5	62.3	68.6	72.3	77.0	78.9	79.9	81.4	81.9	81.9	82.4	82.8	85.3
GE 500	30.1	34.3	43.1	48.5	62.3	68.6	72.3	77.0	78.9	80.1	81.6	82.1	82.1	82.6	83.6	86.3
GE 400	30.1	34.3	43.1	48.5	62.3	69.1	73.0	77.7	80.1	81.9	83.6	84.1	84.1	84.6	85.5	88.5
GE 300	30.1	34.3	43.1	48.5	62.3	69.1	73.0	77.7	80.4	82.1	83.8	84.3	84.3	84.8	85.8	90.4
GE 200	30.1	34.3	43.1	48.5	62.3	69.1	73.0	77.7	80.4	82.1	84.3	84.8	85.0	85.5	87.7	94.1
GE 100	30.1	34.3	43.1	48.5	62.3	69.1	73.0	77.7	80.4	82.1	84.3	84.8	85.0	85.5	87.7	98.5
GE 000	30.1	34.3	43.1	48.5	62.3	69.1	73.0	77.7	80.4	82.1	84.6	85.0	85.3	85.8	88.0	100.0

TOTAL NUMBER OF OBSERVATIONS 408

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106530

STATION NAME: GIEBELSTADT AAF GERMANY
LST TO UTC:- 1

PERIOD OF RECORD: OCT 80 - SEP 89
MONTH: NOV HOURS: 09-11

CEILING IN FEET	VISIBILITY IN METERS																	
	GE 112	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 08	GE 06	GE 04	GE 00		
NO CEIL	10.8	13.0	13.8	15.0	19.1	20.7	21.5	22.5	23.1	23.1	23.1	23.3	23.3	23.3	23.3	23.3	24.9	
GE 20000	12.2	14.6	15.8	17.2	21.3	22.9	23.7	24.7	25.4	25.4	25.4	25.6	25.6	25.6	25.6	25.6	27.2	
GE 18000	12.2	14.6	16.2	17.6	21.9	23.5	24.3	25.4	26.0	26.0	26.0	26.2	26.2	26.2	26.2	26.2	27.8	
GE 16000	12.2	14.6	16.2	17.6	21.9	23.5	24.3	25.4	26.0	26.0	26.0	26.2	26.2	26.2	26.2	26.2	27.8	
GE 14000	12.2	14.6	16.	17.6	21.9	23.5	24.3	25.4	26.0	26.0	26.0	26.2	26.2	26.2	26.2	26.2	27.8	
GE 12000	12.2	14.6	16.2	17.6	21.9	23.5	24.3	25.4	26.0	26.0	26.0	26.2	26.2	26.2	26.2	26.2	27.8	
GE 10000	12.8	15.2	17.2	18.7	22.9	24.5	25.4	26.4	27.0	27.0	27.0	27.2	27.2	27.2	27.2	27.2	28.8	
GE 9000	13.4	16.0	18.7	20.1	24.3	26.0	26.8	27.8	28.4	28.4	28.4	28.6	28.6	28.6	28.6	28.6	30.2	
GE 8000	16.0	18.9	22.1	23.9	29.0	30.8	31.8	33.1	33.7	33.7	33.7	33.9	33.9	33.9	33.9	33.9	35.5	
GE 7000	17.6	20.9	24.1	26.6	31.6	33.5	34.9	36.3	36.9	36.9	37.1	37.3	37.3	37.3	37.3	37.3	38.9	
GE 6000	17.6	20.9	24.1	26.6	31.6	33.5	34.9	36.3	36.9	36.9	37.1	37.3	37.3	37.3	37.3	37.3	38.9	
GE 5000	19.3	22.5	26.0	28.8	35.1	36.9	38.3	39.8	40.8	40.8	41.0	41.2	41.2	41.2	41.2	41.2	42.8	
GE 4500	20.3	23.5	27.2	30.0	36.9	38.9	40.6	42.0	43.0	43.0	43.2	43.4	43.4	43.4	43.4	43.4	45.0	
GE 4000	24.3	28.4	33.3	37.1	44.6	46.7	49.3	50.7	52.1	52.1	52.3	52.5	52.5	52.5	52.5	52.5	54.2	
GE 3500	25.2	29.6	34.9	38.9	47.9	50.1	52.9	54.4	55.8	55.8	56.0	56.2	56.2	56.2	56.2	56.2	57.8	
GE 3000	27.8	33.9	39.4	43.4	52.7	55.2	58.8	60.9	62.3	62.3	62.5	62.7	62.7	62.7	62.7	62.7	64.3	
GE 2500	28.8	34.9	40.4	44.4	54.0	56.8	60.6	63.3	64.7	64.7	64.9	65.1	65.1	65.1	65.1	65.1	66.7	
GE 2000	29.8	35.9	41.8	46.2	56.2	59.6	64.3	67.1	68.6	68.6	68.8	69.0	69.0	69.0	69.0	69.0	70.6	
GE 1800	30.0	36.1	42.2	46.9	57.2	60.6	65.3	68.2	69.6	69.6	69.8	70.0	70.0	70.0	70.0	70.0	71.6	
GE 1500	30.6	36.7	42.8	48.7	60.0	63.7	68.6	71.6	73.0	73.0	73.4	73.6	73.6	73.6	73.6	73.6	75.3	
GE 1200	31.0	37.1	43.6	49.7	61.9	65.9	71.0	74.4	76.3	76.3	76.9	77.1	77.1	77.1	77.1	77.1	78.7	
GE 1000	31.4	37.5	44.0	50.1	62.9	66.9	72.2	75.7	77.5	77.5	78.1	78.3	78.3	78.3	78.3	78.3	79.9	
GE 900	31.6	37.7	44.2	50.7	64.7	68.8	74.0	77.5	79.3	79.3	80.1	80.7	80.7	80.7	80.7	80.7	82.4	
GE 800	31.6	37.7	44.2	50.7	65.1	69.2	74.4	78.1	79.9	79.9	80.7	81.3	81.3	81.3	81.3	81.3	83.0	
GE 700	31.6	37.7	44.2	50.7	65.1	69.6	75.1	79.3	81.1	81.1	82.2	82.8	82.8	82.8	82.8	82.8	84.4	
GE 600	31.6	37.7	44.2	50.7	65.1	69.6	75.3	80.3	82.2	82.4	83.2	83.8	83.8	83.8	83.8	83.8	85.4	
GE 500	31.6	37.7	44.2	50.7	65.1	69.6	75.3	81.1	83.0	83.2	84.6	85.2	85.2	85.2	85.2	85.2	87.2	
GE 400	31.6	37.7	44.2	50.7	65.1	69.6	75.3	81.9	83.8	84.2	85.8	87.0	87.0	87.0	87.0	87.0	89.2	
GE 300	31.6	37.7	44.2	50.7	65.1	69.6	75.3	81.9	84.0	84.4	86.0	87.2	87.2	87.2	87.2	87.2	92.5	
GE 200	31.6	37.7	44.2	50.7	65.1	69.6	75.3	81.9	84.0	84.4	86.0	87.2	88.0	88.0	89.0	90.1	96.3	
GE 100	31.6	37.7	44.2	50.7	65.1	69.6	75.3	81.9	84.0	84.4	86.0	87.2	88.0	89.0	90.3	100.0		
GE 000	31.6	37.7	44.2	50.7	65.1	69.6	75.3	81.9	84.0	84.4	86.0	87.2	88.0	89.0	90.3	100.0		

TOTAL NUMBER OF OBSERVATIONS 493

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

**PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS**

STATION NUMBER: 106530 STATION NAME: GIEBELSTADT AAF GERMANY PERIOD OF RECORD: OCT 80 - SEP 89
LST TO UTC: - 1 MONTH: NOV HOURS: 12-14

CEILING IN FEET	VISIBILITY IN METERS															
	GE 112	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 08	GE 06	GE 04	GE 00
NO CEIL	11.4	13.4	15.4	18.1	22.1	22.9	23.5	24.3	24.3	24.7	24.7	24.9	24.9	24.9	24.9	25.2
GE 20000	13.4	15.8	18.3	21.3	25.8	26.8	27.6	28.4	28.4	28.8	28.8	29.0	29.0	29.0	29.0	29.2
GE 18000	13.8	16.4	19.7	22.9	27.4	28.4	29.2	30.0	30.0	30.4	30.4	30.6	30.6	30.6	30.6	30.8
GE 16000	14.0	16.6	19.9	23.1	27.6	28.6	29.4	30.2	30.2	30.6	30.6	30.8	30.8	30.8	30.8	31.0
GE 14000	14.0	16.6	19.9	23.1	27.6	28.6	29.4	30.2	30.2	30.6	30.6	30.8	30.8	30.8	30.8	31.0
GE 12000	14.0	16.6	19.9	23.1	27.6	28.6	29.4	30.2	30.2	30.6	30.6	30.8	30.8	30.8	30.8	31.0
GE 10000	14.8	17.4	20.7	23.9	28.8	29.8	30.8	31.6	31.6	32.0	32.0	32.3	32.3	32.3	32.3	32.5
GE 9000	15.2	17.8	21.7	25.2	30.6	31.6	32.7	33.5	33.5	33.9	33.9	34.1	34.1	34.1	34.1	34.3
GE 8000	18.5	22.1	26.8	31.0	38.3	39.6	40.6	41.4	41.4	41.8	41.8	42.0	42.0	42.0	42.0	42.2
GE 7000	20.3	24.3	29.0	33.3	41.0	42.4	43.6	44.4	44.4	44.8	44.8	45.0	45.0	45.0	45.0	45.2
GE 6000	20.3	24.3	29.0	33.3	41.0	42.4	43.6	44.4	44.4	44.8	44.8	45.0	45.0	45.0	45.0	45.2
GE 5000	22.5	26.6	31.4	35.9	44.0	45.4	47.1	47.9	47.9	48.3	48.3	48.5	48.5	48.5	48.5	48.7
GE 4500	24.3	28.6	33.7	38.5	47.1	48.7	50.3	51.1	51.1	51.5	51.5	51.7	51.7	51.7	51.7	51.9
GE 4000	27.8	32.7	38.5	43.8	53.8	55.6	57.2	58.0	58.0	58.6	58.6	58.8	58.8	58.8	58.8	59.0
GE 3500	30.2	35.3	41.2	46.9	57.2	59.0	60.6	61.5	61.5	62.1	62.1	62.3	62.3	62.3	62.3	62.5
GE 3000	34.9	42.0	48.7	54.6	65.9	68.2	70.0	71.0	71.0	71.6	71.6	71.8	71.8	71.8	71.8	72.0
GE 2500	35.9	45.2	50.3	56.2	67.5	69.8	71.6	73.0	73.0	73.6	73.6	73.8	73.8	73.8	73.8	74.0
GE 2000	37.5	45.2	53.1	60.0	72.0	75.1	77.1	78.5	78.5	79.1	79.1	79.3	79.3	79.3	79.3	79.5
GE 1800	37.5	45.2	53.1	60.2	72.6	75.7	77.7	79.1	79.1	79.7	79.7	79.9	79.9	79.9	79.9	80.1
GE 1500	37.9	45.6	53.8	61.9	75.3	78.3	80.7	82.6	82.6	82.6	83.2	83.2	83.4	83.4	83.4	83.6
GE 1200	39.1	46.9	55.2	63.5	76.9	80.9	83.4	85.4	85.6	85.8	86.6	86.6	86.8	86.8	86.8	87.2
GE 1000	39.1	46.9	55.2	63.5	77.3	81.3	84.2	86.2	86.4	87.0	87.8	87.8	88.0	88.0	88.0	88.4
GE 900	39.1	46.9	55.2	63.7	77.7	81.9	84.8	86.8	87.0	87.6	88.6	88.8	89.0	89.0	89.0	89.5
GE 800	39.4	47.1	55.4	63.9	78.3	83.0	85.8	88.0	88.2	88.8	89.9	90.1	90.3	90.3	90.3	90.7
GE 700	39.6	47.3	55.6	64.1	78.5	83.4	86.4	89.7	89.9	90.5	91.5	91.7	91.9	91.9	91.9	92.3
GE 600	39.6	47.3	55.6	64.1	78.5	83.4	86.6	90.1	90.9	91.5	92.5	92.7	92.9	93.1	93.1	93.5
GE 500	39.6	47.3	55.6	64.1	78.5	83.4	86.6	90.9	92.1	92.7	93.7	93.9	94.1	94.3	94.3	94.9
GE 400	39.6	47.3	55.6	64.1	78.5	83.4	86.6	90.9	92.3	93.3	94.3	94.5	94.7	95.1	95.1	95.7
GE 300	39.6	47.3	55.6	64.1	78.5	83.4	86.6	90.9	92.3	93.3	94.3	94.7	94.9	95.3	95.3	96.1
GE 200	39.6	47.3	55.6	64.1	78.5	83.4	86.6	90.9	92.3	93.3	94.3	94.7	94.9	95.3	95.3	98.4
GE 100	39.6	47.3	55.6	64.1	78.5	83.4	86.6	90.9	92.3	93.3	94.3	94.7	94.9	95.3	95.5	100.0
GE 000	39.6	47.3	55.6	64.1	78.5	83.4	86.6	90.9	92.3	93.3	94.3	94.7	94.9	95.3	95.5	100.0

TOTAL NUMBER OF OBSERVATIONS 493

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106530 STATION NAME: GIEBELSTADT AAF GERMANY
LST TO UTC: - 1 PERIOD OF RECORD: OCT 80 - SEP 89
MONTH: NOV HOURS: 15-17

CEILING IN FEET	VISIBILITY IN METERS																	
	GE 112	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 08	GE 06	GE 04	GE 00		
NO CEIL	14.5	15.7	20.7	21.9	26.1	26.7	27.1	27.5	27.5	27.7	28.0	28.0	28.0	28.0	28.2	28.4		
GE 20000	16.1	17.8	23.4	25.9	30.8	31.5	31.9	32.5	32.5	32.7	32.9	32.9	32.9	32.9	33.1	33.5		
GE 18000	16.4	18.2	24.6	27.3	32.3	32.9	33.3	34.0	34.0	34.2	34.4	34.4	34.4	34.4	34.6	35.0		
GE 16000	16.4	18.2	24.6	27.3	32.3	32.9	33.3	34.0	34.0	34.2	34.4	34.4	34.4	34.4	34.6	35.0		
GE 14000	16.6	18.4	24.8	27.5	32.5	33.1	33.5	34.2	34.2	34.4	34.6	34.6	34.6	34.6	34.8	35.2		
GE 12000	17.2	19.0	25.7	28.4	33.5	34.2	34.6	35.2	35.2	35.4	35.6	35.6	35.6	35.6	35.8	36.2		
GE 10000	17.8	19.7	26.3	29.0	34.6	35.2	35.6	36.2	36.2	36.4	36.6	36.6	36.6	36.6	36.9	37.3		
GE 9000	18.6	21.1	28.4	31.1	36.6	37.3	37.7	38.3	38.3	38.5	38.7	38.7	38.7	38.7	38.9	39.3		
GE 8000	20.5	23.6	32.1	35.0	41.8	43.3	43.9	44.5	44.5	44.7	44.9	44.9	44.9	44.9	45.1	45.5		
GE 7000	22.6	26.3	34.8	38.3	45.1	46.8	47.6	48.4	48.4	48.7	48.9	48.9	48.9	48.9	49.1	49.5		
GE 6000	22.8	26.5	35.0	38.5	45.3	47.0	47.8	48.7	48.7	48.9	49.1	49.1	49.1	49.1	49.3	49.7		
GE 5000	25.5	29.2	38.1	41.6	48.4	50.1	51.1	52.0	52.2	52.4	52.6	52.6	52.6	52.6	52.8	53.2		
GE 4500	26.3	30.0	39.3	43.3	50.1	52.0	53.0	54.0	54.2	54.5	54.7	54.7	54.7	54.7	54.9	55.3		
GE 4000	29.8	34.0	43.9	47.8	55.5	57.3	58.4	59.4	59.6	59.8	60.0	60.0	60.0	60.0	60.2	60.7		
GE 3500	32.5	37.3	47.8	52.6	61.1	63.6	64.6	65.6	65.8	66.0	66.3	66.3	66.3	66.3	66.5	66.9		
GE 3000	38.9	45.1	58.6	64.4	73.3	76.6	77.8	78.9	79.1	79.3	79.5	79.5	79.5	79.5	79.7	80.1		
GE 2500	39.8	46.0	59.8	65.6	74.7	78.3	79.5	80.5	80.7	81.0	81.2	81.2	81.2	81.2	81.4	81.8		
GE 2000	41.0	47.2	61.5	67.5	77.6	81.4	82.6	83.9	84.1	84.3	84.5	84.5	84.5	84.5	84.7	85.1		
GE 1800	41.2	47.4	61.7	67.7	77.8	81.6	82.8	84.1	84.3	84.5	84.7	84.7	84.7	84.7	84.9	85.3		
GE 1500	41.8	48.0	62.5	68.7	79.7	84.3	85.5	87.0	87.2	88.0	88.2	88.2	88.2	88.2	88.4	88.8		
GE 1200	41.8	48.0	62.5	68.9	80.1	85.1	86.5	88.0	88.8	89.6	90.1	90.1	90.1	90.1	90.3	90.7		
GE 1000	41.8	48.0	62.5	68.9	80.1	85.3	87.6	89.0	89.9	90.9	91.3	91.3	91.3	91.3	91.5	91.9		
GE 900	42.0	48.2	62.9	69.4	80.5	85.7	88.0	89.4	90.3	91.3	91.7	91.7	91.7	91.7	91.9	92.3		
GE 800	42.2	48.4	63.1	69.8	81.0	86.1	88.4	90.3	91.1	92.3	92.8	92.8	92.8	92.8	93.0	93.4		
GE 700	42.2	48.4	63.1	69.8	81.0	86.1	89.0	91.1	91.9	93.6	94.0	94.0	94.0	94.0	94.2	94.6		
GE 600	42.2	48.4	63.1	69.8	81.0	86.1	89.0	91.7	92.8	94.4	94.8	94.8	94.8	94.8	95.0	95.4		
GE 500	42.2	48.4	63.1	69.8	81.0	86.1	89.0	91.9	93.2	94.8	95.2	95.2	95.2	95.2	95.4	95.9		
GE 400	42.2	48.4	63.1	69.8	81.0	86.1	89.0	91.9	93.2	95.0	95.7	95.9	95.9	95.9	96.1	96.5		
GE 300	42.2	48.4	63.1	69.8	81.0	86.1	89.0	91.9	93.2	95.0	95.9	96.1	96.1	96.1	96.3	96.9		
GE 200	42.2	48.4	63.1	69.8	81.0	86.1	89.0	91.9	93.2	95.2	96.1	96.5	96.5	96.7	97.1	98.6		
GE 100	42.2	48.4	63.1	69.8	81.0	86.1	89.0	91.9	93.2	95.2	96.1	96.5	96.5	96.7	97.1	100.0		
GE 000	42.2	48.4	63.1	69.8	81.0	86.1	89.0	91.9	93.2	95.2	96.1	96.5	96.5	96.7	97.1	100.0		

TOTAL NUMBER OF OBSERVATIONS 483

OPERATING LOCATION "A"
USAFTAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106530 STATION NAME: GIEBELSTADT AAF GERMANY
LST TO UTC: + 1 PERIOD OF RECORD: OCT 80 - SEP 89
MONTH: NOV HOURS: 18-20

CEILING IN FEET	VISIBILITY IN METERS															
	GE 112	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 08	GE 06	GE 04	GE 00
NO.CEIL	17.2	18.9	23.0	24.4	30.3	33.3	33.3	33.6	33.8	33.8	33.8	33.8	33.8	34.0	34.3	35.2
GE 20000	18.4	20.0	24.6	26.4	33.8	36.8	36.8	37.2	37.5	37.5	37.5	37.5	37.5	37.7	37.9	39.3
GE 18000	18.4	20.0	24.6	27.1	34.5	37.5	37.5	37.9	38.2	38.2	38.2	38.2	38.2	38.4	38.6	40.0
GE 16000	18.4	20.0	24.6	27.1	34.5	37.5	37.5	37.9	38.2	38.2	38.2	38.2	38.2	38.4	38.6	40.0
GE 14000	18.4	20.0	24.6	27.1	34.5	37.5	37.5	37.9	38.2	38.2	38.2	38.2	38.2	38.4	38.6	40.0
GE 12000	18.6	20.2	24.8	27.4	34.7	37.7	37.7	38.2	38.4	38.4	38.4	38.4	38.4	38.6	38.9	40.2
GE 10000	19.3	20.9	25.7	28.3	35.9	39.5	39.5	40.0	40.2	40.2	40.2	40.2	40.2	40.5	40.7	42.1
GE 9000	19.8	21.4	26.7	29.2	36.8	40.5	40.5	40.9	41.1	41.1	41.1	41.1	41.1	41.4	41.6	43.0
GE 8000	22.3	24.1	30.1	33.3	42.1	46.4	46.4	46.9	47.1	47.4	47.6	47.6	47.6	47.8	48.0	49.4
GE 7000	23.7	26.0	32.2	35.9	44.8	49.2	49.4	50.6	50.8	51.3	51.5	51.5	51.5	51.7	52.0	53.3
GE 6000	23.9	26.2	32.4	36.1	45.3	49.7	49.9	51.0	51.3	51.7	52.0	52.0	52.0	52.2	52.4	53.8
GE 5000	25.3	27.8	34.7	38.9	48.0	52.6	52.9	54.5	54.7	55.4	55.6	55.6	55.6	55.9	56.1	57.5
GE 4500	26.0	28.5	35.4	39.5	49.0	53.6	53.8	55.4	55.6	56.3	56.6	56.6	56.6	56.8	57.0	58.4
GE 4000	30.6	33.6	40.9	45.1	54.9	60.0	60.2	61.8	62.1	62.8	63.2	63.2	63.2	63.4	63.7	65.1
GE 3500	32.4	35.4	43.4	48.0	58.9	64.4	64.6	66.2	66.4	67.1	67.6	67.6	67.6	67.8	68.0	69.4
GE 3000	35.9	38.9	50.3	54.9	68.7	74.3	74.5	76.1	76.6	77.2	77.9	78.2	78.2	78.4	78.6	80.0
GE 2500	36.1	39.1	51.0	55.6	69.4	74.9	75.2	76.8	77.2	77.9	78.6	78.9	78.9	79.1	79.3	80.7
GE 2000	37.5	40.5	53.6	58.2	72.4	77.9	78.2	79.8	80.2	80.9	81.6	81.8	81.8	82.1	82.3	83.7
GE 1800	37.5	40.5	53.6	58.2	72.9	78.4	78.6	80.2	80.7	81.4	82.1	82.3	82.3	82.5	82.8	84.1
GE 1500	37.5	40.5	53.8	58.4	73.3	79.1	79.3	80.9	81.4	82.5	83.2	83.7	83.7	83.9	84.1	85.5
GE 1200	37.5	40.5	53.8	58.6	73.6	80.7	80.9	82.5	83.0	84.1	85.1	86.2	86.2	86.4	86.7	88.0
GE 1000	37.5	40.5	54.0	58.9	73.8	81.1	82.5	84.8	85.3	86.4	87.4	88.5	88.5	88.7	89.0	90.3
GE 900	37.9	40.9	54.5	59.3	74.3	82.1	83.7	86.4	86.9	88.0	89.0	90.1	90.1	90.3	90.6	92.0
GE 800	37.9	40.9	54.5	59.3	74.3	82.3	84.1	87.1	87.6	88.7	89.7	90.8	90.8	91.0	91.3	92.6
GE 700	37.9	40.9	54.5	59.3	74.3	82.3	84.1	87.6	88.0	89.9	90.8	92.2	92.2	92.4	92.6	94.0
GE 600	37.9	40.9	54.5	59.3	74.3	82.3	84.1	87.6	88.5	90.6	91.5	92.9	92.9	93.1	93.3	94.7
GE 500	38.2	41.1	54.7	59.5	74.5	82.5	84.4	87.8	89.0	91.0	92.0	93.3	93.3	93.6	93.8	95.2
GE 400	38.2	41.1	54.7	59.5	74.5	82.5	84.4	87.8	89.0	91.0	92.0	93.3	93.3	93.6	93.8	95.2
GE 300	38.2	41.1	54.7	59.5	74.5	82.5	84.4	87.8	89.0	91.3	92.2	94.0	94.0	94.3	94.5	95.9
GE 200	38.2	41.1	54.7	59.5	74.5	82.5	84.4	87.8	89.0	91.3	92.2	94.0	94.0	94.5	94.7	97.2
GE 100	38.2	41.1	54.7	59.5	74.5	82.5	84.4	87.8	89.0	91.3	92.2	94.0	94.0	94.5	94.9	99.5
GE 000	38.2	41.1	54.7	59.5	74.5	82.5	84.4	87.8	89.0	91.3	92.2	94.0	94.0	94.5	94.9	100.0

TOTAL NUMBER OF OBSERVATIONS 435

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106530 STATION NAME: GIEBELSTADT AAF GERMANY
LST TO UTC: + 1 PERIOD OF RECORD: OCT 80 - SEP 89
MONTH: NOV HOURS: 21-23

CEILING IN FEET	VISIBILITY IN METERS															
	GE 112	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 08	GE 06	GE 04	GE 00
NO CEIL	17.1	17.5	21.3	22.1	27.9	30.8	32.5	32.5	33.3	33.3	33.8	34.2	34.2	34.6	34.6	35.0
GE 20000	17.1	17.5	21.7	22.9	29.2	32.1	33.8	33.8	34.6	34.6	35.0	35.4	35.4	35.8	35.8	36.3
GE 18000	17.1	17.5	21.7	23.8	30.0	32.9	34.6	34.6	35.4	35.4	35.8	36.3	36.3	36.7	36.7	37.1
GE 16000	17.1	17.5	21.7	23.8	30.0	32.9	34.6	34.6	35.4	35.4	35.8	36.3	36.3	36.7	36.7	37.1
GE 14000	17.1	17.5	21.7	23.8	30.0	32.9	34.6	34.6	35.4	35.4	35.8	36.3	36.3	36.7	36.7	37.1
GE 12000	17.1	17.5	21.7	23.8	30.0	32.9	34.6	34.6	35.4	35.4	35.8	36.3	36.3	36.7	36.7	37.1
GE 10000	17.9	18.3	22.9	25.4	31.7	35.4	37.1	37.1	37.9	37.9	38.3	38.8	38.8	39.2	39.2	39.6
GE 9000	18.8	19.2	23.8	26.3	32.5	36.3	37.9	37.9	38.8	38.8	39.2	39.6	39.6	40.0	40.0	40.4
GE 8000	20.4	20.8	26.3	30.8	37.1	41.7	43.3	43.3	44.2	44.2	44.6	45.0	45.0	45.4	45.4	45.8
GE 7000	21.3	21.7	27.1	31.7	37.9	42.5	44.2	44.6	45.4	45.4	45.8	46.3	46.3	46.7	46.7	47.1
GE 6000	21.3	21.7	27.1	31.7	38.8	43.3	45.0	45.4	46.3	46.3	46.7	47.1	47.1	47.5	47.5	47.9
GE 5000	24.2	24.6	30.8	35.8	44.2	48.8	50.4	51.7	52.5	52.5	52.9	53.3	53.3	53.8	53.8	54.2
GE 4500	25.8	26.3	32.5	37.5	46.3	50.8	52.5	53.8	54.6	54.6	55.0	55.4	55.4	55.8	55.8	56.3
GE 4000	29.6	30.4	37.9	42.9	52.1	57.9	59.6	60.8	61.7	61.7	62.1	62.5	62.5	63.3	63.3	63.8
GE 3500	31.7	33.3	42.1	48.3	57.5	63.3	65.0	66.3	67.1	67.1	67.5	67.9	67.9	68.8	68.8	69.2
GE 3000	34.2	35.8	47.5	53.8	65.0	70.8	72.5	73.8	74.6	74.6	75.8	76.3	76.3	77.1	77.1	77.5
GE 2500	35.0	36.7	48.8	55.1	66.3	72.1	73.8	75.0	75.8	75.8	77.1	77.5	77.5	78.3	78.3	78.8
GE 2000	35.4	37.1	50.0	56.3	67.5	73.3	75.0	76.3	77.1	77.1	78.3	78.8	78.8	80.4	80.4	80.8
GE 1800	35.4	37.1	50.0	56.3	68.3	74.2	75.8	77.1	77.9	77.9	79.2	79.6	79.6	81.3	81.3	81.7
GE 1500	35.4	37.1	50.0	56.3	68.3	74.2	75.8	77.1	78.3	78.3	79.6	80.0	80.0	81.7	81.7	82.1
GE 1200	35.8	37.5	51.3	57.5	70.4	77.5	79.6	80.8	82.1	82.1	83.3	83.8	83.8	85.4	85.4	85.8
GE 1000	35.8	37.5	51.3	57.5	70.4	77.9	80.0	82.5	83.8	83.8	85.0	85.4	85.4	87.1	87.1	87.5
GE 900	35.8	37.5	51.3	57.5	70.4	77.9	80.0	84.2	85.4	85.4	86.7	87.1	87.1	88.8	88.8	89.2
GE 800	35.8	37.5	51.3	57.5	70.4	77.9	80.4	84.6	85.8	85.8	87.1	87.5	87.5	89.2	89.2	89.6
GE 700	35.8	37.5	51.3	57.5	70.4	77.9	80.4	86.3	87.5	87.5	88.8	89.6	89.6	91.3	91.3	91.7
GE 600	35.8	37.5	51.3	57.5	70.4	78.3	81.3	87.1	88.3	88.3	90.0	90.8	91.3	92.9	92.9	93.3
GE 500	35.8	37.5	51.3	57.5	70.4	78.3	81.3	87.5	88.8	89.2	90.4	91.3	91.7	93.3	93.3	93.8
GE 400	35.8	37.5	51.3	57.5	70.4	78.3	81.3	87.5	88.8	89.2	90.4	91.3	91.7	93.3	93.3	93.8
GE 300	35.8	37.5	51.3	57.5	70.4	78.3	81.3	87.5	88.8	90.0	91.3	92.1	92.9	94.6	94.6	95.0
GE 200	35.8	37.5	51.3	57.5	70.4	78.3	81.3	87.5	88.8	90.0	91.3	92.5	93.3	95.4	95.4	96.3
GE 100	35.8	37.5	51.3	57.5	70.4	78.3	81.3	87.5	88.8	90.0	91.3	92.5	93.3	95.4	95.4	99.2
GE 000	35.8	37.5	51.3	57.5	70.4	78.3	81.3	87.5	88.8	90.0	91.3	92.5	93.3	95.4	95.4	100.0

TOTAL NUMBER OF OBSERVATIONS 240

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106530 STATION NAME: GIEBELSTADT AAF GERMANY PERIOD OF RECORD: OCT 80 - SEP 89
LST TO UTC: - 1 MONTH: NOV HOURS: ALL

CEILING IN FEET	VISIBILITY IN METERS															
	GE 112	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 08	GE 06	GE 04	GE 00
NO CEIL	13.1	14.7	17.7	19.2	23.6	25.2	25.9	26.6	27.0	27.1	27.4	27.4	27.5	27.6	27.7	28.5
GE 20000	14.3	16.1	19.5	21.5	26.4	28.1	28.8	29.7	30.0	30.1	30.4	30.4	30.5	30.6	30.8	31.8
GE 18000	14.5	16.3	20.1	22.4	27.4	29.0	29.7	30.6	30.9	31.0	31.3	31.3	31.4	31.5	31.7	32.7
GE 16000	14.5	16.3	20.1	22.4	27.4	29.0	29.8	30.6	31.0	31.0	31.3	31.4	31.4	31.5	31.7	32.8
GE 14000	14.5	16.4	20.2	22.5	27.4	29.0	29.8	30.6	31.0	31.1	31.3	31.4	31.5	31.6	31.7	32.8
GE 12000	14.7	16.5	20.4	22.6	27.7	29.3	30.1	30.9	31.2	31.3	31.6	31.7	31.7	31.8	32.0	33.0
GE 10000	15.3	17.1	21.1	23.5	28.7	30.5	31.3	32.1	32.5	32.6	32.8	32.9	33.0	33.1	33.2	34.3
GE 9000	15.9	17.9	22.3	24.7	30.1	31.9	32.7	33.5	33.9	33.9	34.2	34.3	34.3	34.5	34.6	35.7
GE 8000	18.3	20.7	25.9	29.0	35.3	37.6	38.5	39.3	39.7	39.8	40.1	40.2	40.3	40.4	40.6	41.7
GE 7000	19.8	22.6	27.8	31.2	37.7	40.0	41.1	42.3	42.6	42.8	43.2	43.3	43.3	43.5	43.7	44.7
GE 6000	19.9	22.6	27.9	31.3	37.9	40.2	41.3	42.5	42.8	43.0	43.4	43.5	43.5	43.7	43.8	44.9
GE 5000	21.8	24.6	30.4	34.1	41.1	43.5	44.7	46.0	46.5	46.7	47.1	47.2	47.3	47.4	47.6	48.6
GE 4500	22.9	25.8	31.7	35.5	42.9	45.6	46.8	48.2	48.7	48.9	49.3	49.4	49.4	49.6	49.7	50.8
GE 4000	26.9	30.5	37.2	41.5	49.6	52.6	54.2	55.6	56.2	56.4	56.9	57.0	57.1	57.2	57.4	58.5
GE 3500	28.9	32.8	40.0	44.8	53.8	57.1	58.7	60.1	60.8	61.0	61.5	61.6	61.6	61.8	62.0	63.0
GE 3000	32.8	37.9	47.0	52.2	62.5	66.1	68.0	69.6	70.2	70.5	71.0	71.2	71.4	71.6	72.6	-
GE 2500	33.5	38.6	48.0	53.3	63.7	67.4	69.3	71.1	71.8	72.0	72.6	72.8	72.8	73.0	73.2	74.2
GE 2000	35.0	40.2	50.2	55.8	66.9	71.0	73.2	75.2	75.9	76.1	76.8	76.9	77.0	77.2	77.4	78.4
GE 1800	35.1	40.3	50.4	56.0	67.4	71.6	73.7	75.7	76.4	76.7	77.3	77.5	77.5	77.8	77.9	79.0
GE 1500	35.6	40.8	51.0	57.1	69.3	73.7	76.0	78.1	78.9	79.4	80.1	80.3	80.3	80.6	80.8	81.8
GE 1200	36.1	41.2	51.7	58.0	70.6	75.8	78.3	80.5	81.5	82.1	82.9	83.2	83.3	83.5	83.7	84.8
GE 1000	36.1	41.3	51.9	58.2	71.1	76.6	79.5	82.0	83.0	83.7	84.6	84.9	85.0	85.2	85.4	86.5
GE 900	36.3	41.5	52.1	58.5	71.8	77.4	80.4	83.2	84.2	84.9	85.9	86.3	86.4	86.6	86.8	87.9
GE 800	36.4	41.5	52.2	58.6	72.3	78.0	81.0	84.1	85.1	85.8	86.8	87.2	87.3	87.5	87.7	88.8
GE 700	36.4	41.6	52.2	58.7	72.3	78.1	81.5	85.1	86.2	87.1	88.1	88.6	88.7	88.9	89.1	90.2
GE 600	36.4	41.6	52.2	58.7	72.3	78.2	81.7	85.7	87.0	88.0	88.9	89.5	89.6	89.9	90.0	91.2
GE 50	36.4	41.6	52.3	58.7	72.3	78.3	81.7	86.1	87.6	88.6	89.7	90.2	90.3	90.6	90.9	92.2
GE 400	36.4	41.6	52.3	58.7	72.3	78.3	81.8	86.4	88.0	89.3	90.4	91.1	91.2	91.6	91.8	93.2
GE 300	36.4	41.6	52.3	58.7	72.3	78.3	81.8	86.4	88.0	89.5	90.7	91.5	91.6	92.0	92.4	94.5
GE 200	36.4	41.6	52.3	58.7	72.3	78.3	81.8	86.4	88.0	89.5	90.8	91.7	92.0	92.7	93.3	96.9
GE 100	36.4	41.6	52.3	58.7	72.3	78.3	81.8	86.4	88.0	89.5	90.8	91.7	92.0	92.7	93.5	99.6
GE 000	36.4	41.6	52.3	58.7	72.3	78.3	81.8	86.4	88.0	89.5	90.8	91.7	92.0	92.7	93.5	100.0

TOTAL NUMBER OF OBSERVATIONS 2552

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106530

STATION NAME: GIEBELSTADT AAF GERMANY
LST TO UTC: - 1

PERIOD OF RECORD: OCT 80 - SEP 89
MONTH: DEC HOURS: 06-08

CEILING IN FEET	VISIBILITY IN METERS																	
	GE 112	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 08	GE 06	GE 04	GE 00		
NO CEIL	8.0	9.5	13.6	15.2	18.6	19.5	19.8	20.5	20.5	20.5	21.1	21.1	21.1	21.1	21.1	21.6	22.0	
GE 20000	8.0	9.5	13.6	15.2	19.3	20.2	20.5	21.1	21.1	21.1	21.8	21.8	21.8	21.8	21.8	22.3	22.7	
GE 18000	8.0	9.8	14.1	15.7	19.8	20.7	20.9	21.6	21.6	21.6	22.3	22.3	22.3	22.3	22.3	22.7	23.2	
GE 16000	8.0	9.8	14.1	15.7	19.8	20.7	20.9	21.6	21.6	21.6	22.3	22.3	22.3	22.3	22.3	22.7	23.2	
GE 14000	8.0	9.8	14.1	15.7	19.8	20.7	20.9	21.6	21.6	21.6	22.3	22.3	22.3	22.3	22.3	22.7	23.2	
GE 12000	8.0	9.8	14.1	15.7	19.8	20.7	20.9	21.6	21.6	21.6	22.3	22.3	22.3	22.3	22.3	22.7	23.2	
GE 10000	8.4	10.2	14.5	16.4	20.5	21.4	21.6	22.3	22.3	22.3	23.0	23.0	23.0	23.0	23.0	23.4	23.9	
GE 9000	8.6	11.1	15.5	17.5	21.8	22.7	23.0	23.6	23.6	23.6	24.3	24.3	24.3	24.3	24.3	24.8	25.2	
GE 8000	9.5	12.3	16.6	18.9	23.9	24.8	25.0	25.7	25.7	25.7	26.4	26.4	26.4	26.4	26.4	26.8	27.3	
GE 7000	11.1	14.1	19.3	21.8	26.8	27.7	28.0	28.6	28.6	28.6	29.3	29.3	29.3	29.3	29.3	29.8	30.2	
GE 6000	11.1	14.1	19.3	21.8	27.3	28.2	28.4	29.1	29.1	29.1	29.8	29.8	29.8	29.8	29.8	30.2	30.7	
GE 5000	15.5	18.9	24.3	28.2	34.5	35.5	35.7	36.4	36.4	36.4	37.0	37.0	37.0	37.0	37.0	37.5	38.0	
GE 4500	16.1	19.8	25.5	29.8	36.1	37.0	37.3	38.0	38.4	38.4	39.1	39.1	39.1	39.1	39.1	39.5	40.0	
GE 4000	21.4	25.5	31.8	36.1	43.2	44.1	44.5	45.5	46.1	46.1	46.8	46.8	46.8	46.8	46.8	47.3	47.7	
GE 3500	24.3	29.3	36.8	41.4	49.3	50.2	50.7	51.6	52.5	52.5	53.2	53.2	53.2	53.2	53.2	53.6	54.1	
GE 3000	27.3	32.5	40.9	46.6	56.8	58.4	59.1	60.0	60.9	60.9	61.6	61.6	61.6	61.6	61.6	62.3	63.0	
GE 2500	28.9	34.1	42.5	48.9	59.1	60.7	61.4	62.3	63.2	63.2	63.9	63.9	63.9	64.1	64.5	65.2		
GE 2000	31.1	36.4	45.5	52.0	63.4	65.0	65.7	66.6	67.5	67.5	68.4	68.4	68.4	68.6	69.1	69.8		
GE 1800	31.1	36.4	45.5	52.0	63.9	65.5	66.1	67.0	68.0	68.0	68.9	68.9	68.9	69.1	69.5	70.2		
GE 1500	32.0	37.3	47.0	53.9	66.8	68.4	69.5	71.1	72.5	72.5	73.4	73.4	73.4	73.6	73.9	74.3	75.0	
GE 1200	33.0	38.2	48.2	56.6	71.6	73.6	74.8	77.7	79.1	79.3	80.2	80.2	80.5	80.7	81.4	82.0		
GE 1000	33.4	38.6	49.3	58.2	74.1	76.6	77.7	80.9	82.3	83.0	84.1	84.1	84.3	84.8	85.5	86.1		
GE 900	33.4	38.6	49.5	58.4	74.8	77.3	78.4	82.0	83.6	84.3	85.5	85.5	85.7	86.4	87.0	87.7		
GE 800	33.4	38.9	50.2	59.1	75.7	78.2	79.5	83.2	84.8	85.5	86.6	86.6	86.8	87.5	88.2	88.9		
GE 700	33.4	38.9	50.2	59.5	76.1	79.1	80.5	84.3	86.1	86.8	88.4	88.4	88.6	89.3	90.0	90.7		
GE 600	33.4	38.9	50.2	59.5	77.0	80.5	82.0	86.4	88.4	89.1	91.1	91.1	91.4	92.0	93.0	93.6		
GE 500	33.6	39.1	50.7	60.0	77.5	80.9	82.7	87.3	89.3	90.0	92.0	92.0	92.5	93.2	94.1	94.8		
GE 400	33.9	39.3	50.9	60.2	77.7	81.4	83.2	87.7	89.8	90.5	92.5	92.5	93.0	93.6	94.5	95.2		
GE 300	33.9	39.3	50.9	60.2	77.7	81.4	83.2	88.0	90.2	90.9	93.2	93.2	93.9	94.5	96.1	96.8		
GE 200	33.9	39.3	50.9	60.2	77.7	81.6	83.4	88.6	90.9	92.0	94.5	94.8	95.5	96.4	98.0	99.3		
GE 100	33.9	39.3	50.9	60.2	77.7	81.6	83.4	88.6	90.9	92.0	94.5	95.0	95.7	96.8	98.6	100.0		
GE 000	33.9	39.3	50.9	60.2	77.7	81.6	83.4	88.6	90.9	92.0	94.5	95.0	95.7	96.8	98.6	100.0		

TOTAL NUMBER OF OBSERVATIONS 440

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

**PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS**

STATION NUMBER: 106530 STATION NAME: GIEBELSTADT AAF GERMANY PERIOD OF RECORD: OCT 80 - SEP 89
LST TO UTC: - 1 MONTH: DEC HOURS: 09-11

CEILING IN FEET		VISIBILITY IN METERS															
NO CEIL		GE 112	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 08	GE 06	GE 04	GE 00
GE 20000	10.5	12.5	15.5	17.5	21.0	22.3	22.3	22.9	23.1	23.1	23.1	23.1	23.1	23.1	23.1	23.1	23.1
GE 18000	10.7	13.1	16.2	18.3	21.8	23.1	23.1	23.6	23.8	23.8	23.8	23.8	23.8	23.8	23.8	23.8	23.8
GE 16000	10.7	13.1	16.2	18.5	22.1	23.4	23.4	24.0	24.2	24.2	24.2	24.2	24.2	24.2	24.2	24.2	24.2
GE 14000	10.7	13.1	16.2	18.5	22.1	23.4	23.4	24.0	24.2	24.2	24.2	24.2	24.2	24.2	24.2	24.2	24.2
GE 12000	10.7	13.7	16.8	19.2	22.9	24.2	24.2	24.7	24.9	24.9	24.9	24.9	24.9	24.9	24.9	24.9	24.9
GE 10000	11.3	14.8	17.9	20.5	24.4	25.6	25.6	26.2	26.4	26.4	26.4	26.4	26.4	26.4	26.4	26.8	26.9
GE 9000	12.0	16.2	19.6	22.3	26.4	27.7	27.7	28.2	28.4	28.4	28.4	28.4	28.4	28.4	28.4	28.8	29.0
GE 8000	14.8	19.4	23.2	26.2	30.6	32.3	32.3	32.8	33.0	33.0	33.0	33.0	33.0	33.0	33.0	33.4	33.6
GE 7000	16.1	20.8	25.8	29.2	34.1	36.0	36.0	36.5	36.7	36.7	36.7	36.7	36.7	36.7	36.7	37.1	37.5
GE 6000	16.1	20.8	26.0	29.3	34.3	36.2	36.2	36.7	36.9	36.9	36.9	36.9	36.9	36.9	36.9	37.3	37.6
GE 5000	17.7	22.5	28.0	32.1	37.8	39.9	39.9	40.4	40.6	40.6	40.6	40.6	40.6	40.6	40.6	41.0	41.3
GE 4500	19.0	23.8	29.7	33.8	39.5	41.7	41.7	42.3	42.4	42.4	42.4	42.4	42.4	42.4	42.4	42.8	43.2
GE 4000	21.4	26.5	33.6	38.4	44.6	46.9	47.0	47.6	47.8	47.8	47.8	47.8	47.8	47.8	47.8	48.2	48.5
GE 3500	24.7	30.1	38.4	43.5	50.4	53.0	53.1	54.1	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.6	55.0
GE 3000	26.9	33.2	42.4	48.2	57.2	60.9	61.1	62.2	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.9	63.3
GE 2500	28.2	34.5	44.3	50.0	59.2	62.9	63.1	64.8	65.1	65.3	65.3	65.3	65.3	65.3	65.3	65.7	66.1
GE 2000	30.4	36.9	47.0	53.7	63.8	68.1	68.5	70.5	71.4	71.6	71.6	71.6	71.6	71.6	71.8	72.1	72.5
GE 1800	30.6	37.1	47.6	55.2	65.5	69.9	70.3	72.7	73.6	73.8	73.8	73.8	73.8	74.0	74.0	74.4	74.7
GE 1500	31.0	37.5	48.7	56.8	69.0	74.0	74.5	77.5	78.8	79.0	79.2	79.2	79.3	79.9	79.9	80.3	80.6
GE 1200	32.5	38.9	50.7	58.9	71.8	77.1	77.9	81.4	82.7	83.0	83.4	83.6	84.1	84.1	84.5	84.9	
GE 1000	32.5	39.1	51.8	60.1	74.4	80.1	81.2	84.9	86.2	86.5	86.9	87.1	87.6	87.6	88.0	88.4	
GE 900	32.8	39.5	52.4	60.7	75.5	81.4	82.7	86.3	878	88.2	88.6	88.7	89.3	89.5	89.9	90.2	
GE 800	32.8	39.5	52.4	60.7	76.4	82.3	83.6	87.3	88.7	89.1	89.7	89.9	90.4	91.0	91.3	91.7	
GE 700	32.8	39.5	52.4	60.7	76.6	82.7	83.9	87.8	89.3	90.0	90.6	90.8	91.3	92.1	92.4	92.8	
GE 600	32.8	39.5	52.4	60.7	76.8	83.0	84.3	88.2	89.7	90.6	91.1	91.5	92.1	92.8	93.2	93.5	
GE 500	32.8	39.5	52.4	60.7	76.8	83.2	84.7	88.6	90.0	91.7	92.3	92.6	93.2	93.9	94.3	94.6	
GE 400	32.8	39.5	52.4	60.7	76.9	83.6	85.1	88.9	90.4	92.3	93.0	93.4	94.1	94.8	95.4	96.1	
GE 300	32.8	39.5	52.4	60.7	76.9	83.6	85.1	89.1	90.6	92.6	93.7	94.1	94.8	95.6	96.1	96.9	
GE 200	32.8	39.5	52.4	60.7	76.9	83.6	85.1	89.1	90.6	92.6	93.7	94.3	95.0	95.9	96.7	99.1	
GE 100	32.8	39.5	52.4	60.7	76.9	83.6	85.1	89.1	90.6	92.6	93.7	94.3	95.2	96.1	96.9	100.0	
GE 000	32.8	39.5	52.4	60.7	76.9	83.6	85.1	89.1	90.6	92.6	93.7	94.3	95.2	96.1	96.9	100.0	

TOTAL NUMBER OF OBSERVATIONS 542

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106530

STATION NAME: GIEBELSTADT AAF GERMANY
LST TO UTC: - 1

PERIOD OF RECORD: OCT 80 - SEP 89
MONTH: DEC HOURS: 12-14

CEILING IN FEET	VISIBILITY IN METERS															
	GE 112	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 08	GE 06	GE 04	GE 00
NO CEIL	12.5	14.3	16.1	16.8	20.0	20.5	20.7	20.9	20.9	20.9	21.1	21.1	21.1	21.1	21.2	21.2
GE 20000	14.1	16.3	18.3	19.6	23.1	23.8	24.0	24.4	24.4	24.4	24.5	24.5	24.5	24.5	24.7	24.7
GE 18000	15.0	17.8	19.8	21.1	24.5	25.3	25.5	25.8	25.8	25.8	26.0	26.0	26.0	26.0	26.2	26.2
GE 16000	15.0	17.8	19.8	21.1	24.5	25.3	25.5	25.8	25.8	25.8	26.0	26.0	26.0	26.0	26.2	26.2
GE 14000	15.2	17.9	20.0	21.4	24.9	25.6	25.8	26.2	26.2	26.2	26.4	26.4	26.4	26.4	26.6	26.6
GE 12000	15.6	18.5	20.7	22.7	26.2	26.9	27.1	27.5	27.5	27.5	27.7	27.7	27.7	27.7	27.8	27.8
GE 10000	15.9	19.2	21.4	24.4	28.2	28.9	29.1	29.5	29.5	29.5	29.7	29.7	29.7	29.7	29.9	30.0
GE 9000	16.5	20.3	22.7	25.6	30.0	30.8	31.0	31.3	31.3	31.3	31.5	31.5	31.5	31.5	31.7	31.9
GE 8000	19.2	23.8	26.4	29.5	33.9	34.6	34.8	35.2	35.2	35.2	35.3	35.3	35.3	35.3	35.5	35.7
GE 7000	20.7	25.8	28.8	32.4	37.0	38.1	38.3	38.6	38.6	38.6	38.8	38.8	38.8	38.8	39.0	39.2
GE 6000	20.7	25.8	28.8	32.4	37.0	38.1	38.3	38.6	38.6	38.6	38.8	38.8	38.8	38.8	39.0	39.2
GE 5000	22.0	27.3	31.5	35.3	40.3	41.8	41.9	42.3	42.3	42.3	42.5	42.5	42.5	42.5	42.7	42.9
GE 4500	22.9	28.4	32.8	37.0	42.3	43.8	44.0	44.3	44.3	44.3	44.5	44.5	44.5	44.5	44.7	44.9
GE 4000	25.8	32.6	38.3	42.5	48.0	49.5	49.6	50.2	50.2	50.7	50.9	50.9	50.9	50.9	51.1	51.3
GE 3500	27.8	35.2	41.2	45.4	51.8	53.3	53.5	54.0	54.0	54.6	54.8	54.8	54.8	54.8	54.9	55.1
GE 3000	31.5	39.0	47.1	51.5	61.2	62.8	63.0	64.1	64.1	64.8	65.2	65.2	65.2	65.2	65.4	65.8
GE 2500	31.7	39.2	48.4	52.7	62.6	64.3	64.7	65.9	65.9	66.8	67.2	67.2	67.2	67.2	67.4	67.8
GE 2000	34.6	42.5	52.7	57.3	67.9	70.0	70.5	72.7	73.1	74.0	74.4	74.4	74.4	74.4	74.5	74.9
GE 1800	35.0	42.9	53.7	58.2	69.6	71.6	72.3	74.7	75.1	76.0	76.4	76.4	76.4	76.4	76.6	76.9
GE 1500	37.0	45.1	56.8	62.5	74.4	76.7	77.8	80.4	81.1	82.1	82.4	82.6	82.8	82.8	83.0	83.3
GE 1200	39.6	47.8	60.4	66.8	79.7	82.2	83.5	86.4	87.7	88.6	89.0	89.2	89.4	89.4	89.6	89.9
GE 1000	39.7	48.0	60.8	67.9	81.3	84.1	85.5	88.8	90.1	91.0	91.4	91.6	91.8	91.9	92.3	
GE 900	39.9	48.2	61.0	68.1	82.1	84.8	86.3	89.6	91.2	92.1	92.7	92.9	93.0	93.2	93.6	
GE 800	39.9	48.2	61.0	68.1	82.6	85.5	87.2	90.5	92.1	93.0	93.6	93.8	94.0	94.0	94.1	94.5
GE 700	39.9	48.2	61.0	68.1	82.8	85.7	87.4	91.2	92.9	93.8	94.3	94.5	94.7	94.7	94.9	95.4
GE 600	39.9	48.2	61.0	68.1	82.8	85.7	87.4	91.4	93.0	94.5	95.4	95.8	96.0	96.0	96.2	96.9
GE 500	39.9	48.2	61.0	68.1	82.8	85.7	87.9	92.1	93.8	95.2	96.2	96.5	96.7	96.7	96.9	97.6
GE 400	39.9	48.2	61.0	68.1	82.8	85.7	87.9	92.3	94.0	95.4	96.3	96.9	97.1	97.3	97.4	98.2
GE 300	39.9	48.2	61.0	68.1	82.8	85.7	87.9	92.3	94.0	95.4	96.3	96.9	97.1	97.3	97.6	98.5
GE 200	39.9	48.2	61.0	68.1	82.8	85.7	87.9	92.3	94.0	95.4	96.5	97.1	97.3	97.8	98.2	99.8
GE 100	39.9	48.2	61.0	68.1	82.8	85.7	87.9	92.3	94.0	95.4	96.5	97.1	97.3	97.8	98.2	100.0
GE 000	39.9	48.2	61.0	68.1	82.8	85.7	87.9	92.3	94.0	95.4	96.5	97.1	97.3	97.8	98.2	100.0

TOTAL NUMBER OF OBSERVATIONS 546

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106530 STATION NAME: GIEBELSTADT AAF GERMANY PERIOD OF RECORD: OCT 80 - SEP 89
LST TO UTC: - 1 MONTH: DEC HOURS: 15-17

CEILING IN FEET	VISIBILITY IN METERS															
	GE 112	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 08	GE 06	GE 04	GE 00
NO CEIL	12.1	14.2	16.7	16.9	20.8	21.8	21.8	21.8	21.8	21.8	21.8	21.8	21.8	21.8	21.8	22.2
GE 20000	13.6	16.0	18.7	20.0	24.7	25.9	25.9	25.9	25.9	25.9	25.9	25.9	25.9	25.9	25.9	26.5
GE 18000	13.8	16.3	19.1	20.4	25.1	26.3	26.3	26.3	26.3	26.3	26.3	26.3	26.3	26.3	26.3	26.8
GE 16000	13.8	16.3	19.1	20.4	25.1	26.3	26.3	26.3	26.3	26.3	26.3	26.3	26.3	26.3	26.3	26.8
GE 14000	13.8	16.7	19.5	20.8	25.5	26.7	26.7	26.7	26.7	26.7	26.7	26.7	26.7	26.7	26.7	27.2
GE 12000	14.2	17.1	19.8	21.4	26.1	27.2	27.2	27.2	27.2	27.2	27.2	27.2	27.2	27.2	27.2	27.8
GE 10000	14.6	17.9	20.6	22.4	27.2	28.4	28.4	28.4	28.4	28.4	28.4	28.4	28.4	28.4	28.4	29.0
GE 9000	15.0	19.3	22.4	24.1	30.0	31.3	31.3	31.3	31.3	31.3	31.3	31.3	31.3	31.3	31.3	31.9
GE 8000	18.3	23.0	26.8	28.8	34.8	36.2	36.2	36.2	36.2	36.2	36.2	36.2	36.2	36.2	36.2	36.8
GE 7000	20.0	25.3	30.0	31.9	38.1	39.5	39.5	39.5	39.7	39.7	39.7	39.7	39.7	39.7	39.7	40.3
GE 6000	20.0	25.5	30.2	32.1	38.3	39.7	39.7	39.7	39.9	39.9	39.9	39.9	39.9	39.9	39.9	40.5
GE 5000	20.2	25.7	30.4	32.3	38.7	40.7	40.7	40.7	40.9	40.9	40.9	40.9	40.9	40.9	40.9	41.4
GE 4500	21.6	27.2	31.9	33.9	40.9	42.8	42.8	42.8	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.6
GE 4000	25.3	31.7	37.7	39.9	47.1	49.0	49.2	49.2	49.4	49.4	49.4	49.4	49.4	49.4	49.4	50.0
GE 3500	27.0	33.7	39.7	42.0	49.4	51.4	51.8	51.9	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.7
GE 3000	33.7	40.9	49.0	52.7	62.6	64.8	65.2	65.8	66.1	66.1	66.1	66.1	66.3	66.3	66.3	66.9
GE 2500	34.2	41.4	50.6	54.5	65.4	67.7	68.1	68.7	69.1	69.1	69.1	69.1	69.3	69.3	69.3	69.8
GE 2000	35.6	42.8	53.9	58.4	69.5	72.2	73.0	73.5	74.3	74.3	74.3	74.3	74.5	74.5	74.5	75.1
GE 1800	36.4	43.8	54.9	59.9	71.6	74.5	75.3	75.9	76.7	76.7	76.7	76.7	76.8	76.8	76.8	77.4
GE 150	37.2	44.7	56.4	62.6	76.3	79.2	80.4	81.1	81.9	82.3	82.3	82.3	82.5	82.5	82.5	83.1
GE 1200	39.3	46.9	58.6	65.0	80.2	83.1	84.2	85.2	86.2	86.6	87.0	87.0	87.2	87.2	87.2	87.7
GE 1000	39.7	47.3	59.1	66.0	82.3	86.4	87.7	89.1	90.1	90.5	90.9	91.1	91.2	91.2	91.2	91.8
GE 900	39.7	47.3	59.1	66.0	82.7	86.8	88.1	89.5	90.5	90.9	91.2	91.4	91.6	91.6	91.6	92.2
GE 800	39.9	47.5	59.3	66.3	83.3	87.5	89.3	90.7	91.6	92.2	92.6	93.0	93.2	93.2	93.2	93.8
GE 700	39.9	47.5	59.3	66.5	83.9	88.7	90.5	92.8	93.8	94.4	94.7	95.1	95.3	95.3	95.3	95.9
GE 600	39.9	47.5	59.3	66.5	84.0	88.9	90.7	93.0	94.2	95.1	96.1	96.5	96.7	96.7	96.7	97.5
GE 500	39.9	47.5	59.3	66.5	84.0	88.9	90.7	93.2	94.4	95.5	96.5	96.9	97.1	97.3	97.3	98.1
GE 400	39.9	47.5	59.3	66.5	84.0	88.9	90.7	93.2	94.4	95.5	96.5	97.1	97.3	97.5	97.5	98.2
GE 300	39.9	47.5	59.3	66.5	84.0	88.9	90.7	93.6	94.7	95.9	96.9	97.7	97.9	98.1	98.1	98.8
GE 200	39.9	47.5	59.3	66.5	84.0	88.9	90.7	93.6	94.7	95.9	96.9	97.7	97.9	98.1	98.1	99.6
GE 100	39.9	47.5	59.3	66.5	84.0	88.9	90.7	93.6	94.7	95.9	96.9	97.7	97.9	98.1	98.1	99.8
GE 000	39.9	47.5	59.3	66.5	84.2	89.1	90.9	93.8	94.9	96.1	97.1	97.9	98.1	98.2	98.2	100.0

TOTAL NUMBER OF OBSERVATIONS 514

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106530

STATION NAME: GIEBELSTADT AAF GERMANY
LST TO UTC: - 1

PERIOD OF RECORD: OCT 80 - SEP 89
MONTH: DEC HOURS: 18-20

CEILING IN FEET	VISIBILITY IN METERS															
	GE 112	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 08	GE 06	GE 04	GE 00
NO CEIL	13.6	14.2	17.2	19.2	23.1	25.7	26.3	26.3	26.6	26.6	26.6	26.6	26.6	26.6	26.6	26.6
GE 20000	14.5	15.4	18.6	20.7	25.4	29.0	29.6	29.6	29.9	29.9	29.9	29.9	29.9	29.9	29.9	29.9
GE 18000	14.5	15.4	18.6	20.7	25.4	29.0	29.6	29.6	29.9	29.9	29.9	29.9	29.9	29.9	29.9	29.9
GE 16000	14.5	15.4	18.6	20.7	25.4	29.0	29.6	29.6	29.9	29.9	29.9	29.9	29.9	29.9	29.9	29.9
GE 14000	14.5	15.4	18.6	20.7	25.4	29.0	29.6	29.6	29.9	29.9	29.9	29.9	29.9	29.9	29.9	29.9
GE 12000	14.5	15.4	18.6	20.7	25.4	29.0	29.6	29.6	29.9	29.9	29.9	29.9	29.9	29.9	29.9	29.9
GE 10000	15.4	16.3	19.5	21.6	26.3	29.9	30.5	30.5	30.8	30.8	30.8	30.8	30.8	30.8	30.8	30.8
GE 9000	15.4	16.3	19.5	21.6	26.9	30.5	31.4	31.4	31.7	31.7	31.7	31.7	31.7	31.7	31.7	31.7
GE 8000	18.9	19.8	24.0	26.0	32.2	35.8	36.7	36.7	37.0	37.0	37.0	37.0	37.0	37.0	37.0	37.0
GE 7000	21.3	22.2	27.2	29.3	35.5	39.1	39.9	39.9	40.2	40.2	40.2	40.2	40.2	40.2	40.2	40.2
GE 6000	21.3	22.2	27.2	29.3	35.5	39.1	39.9	39.9	40.2	40.2	40.2	40.2	40.2	40.2	40.2	40.2
GE 5000	22.2	23.4	29.0	31.1	37.3	40.8	41.7	41.7	41.7	42.0	42.0	42.0	42.0	42.0	42.0	42.0
GE 4500	23.1	24.3	29.9	32.0	38.2	41.7	42.6	42.6	42.6	42.9	42.9	42.9	42.9	42.9	42.9	42.9
GE 4000	25.1	26.3	33.1	35.5	42.0	45.6	46.4	46.4	46.4	46.7	46.7	46.7	46.7	46.7	46.7	46.7
GE 3500	27.2	28.4	35.5	37.9	44.7	48.2	49.4	49.4	49.4	49.7	49.7	49.7	49.7	49.7	49.7	49.7
GE 3000	35.5	36.7	45.9	48.5	55.9	61.5	62.7	62.7	62.7	63.0	63.0	63.0	63.0	63.0	63.0	63.0
GE 2500	36.4	37.6	47.9	50.6	58.3	64.2	65.4	65.4	65.4	65.7	65.7	65.7	65.7	65.7	65.7	65.7
GE 2000	37.6	38.8	49.4	53.6	63.3	69.2	70.7	71.3	71.3	71.6	71.9	71.9	71.9	71.9	71.9	71.9
GE 1800	37.6	38.8	49.7	54.1	64.2	70.7	72.2	72.8	72.8	73.1	73.4	73.4	73.4	73.4	73.4	73.4
GE 1500	37.6	38.8	50.0	56.2	68.0	75.4	76.9	78.1	78.4	79.0	79.6	79.6	79.6	79.6	79.6	79.6
GE 1200	37.6	38.8	50.6	57.1	70.7	78.7	80.2	82.0	82.5	83.1	84.3	84.3	84.3	84.3	84.3	84.3
GE 1000	37.6	38.8	51.2	57.7	73.4	82.0	83.4	85.5	86.4	87.0	88.5	88.5	88.5	88.5	88.5	88.5
GE 900	38.5	39.6	52.1	58.6	74.3	84.0	85.8	89.1	89.9	90.5	92.3	92.3	92.3	92.3	92.3	92.3
GE 800	38.5	39.6	52.1	58.6	74.6	84.3	86.1	89.3	90.2	90.8	92.9	92.9	92.9	92.9	92.9	92.9
GE 700	38.5	39.6	52.4	58.9	74.9	84.6	86.4	90.2	91.1	91.7	93.8	93.8	93.8	93.8	93.8	93.8
GE 600	38.8	39.9	52.7	59.2	75.7	85.5	87.3	91.1	92.0	93.2	96.2	96.2	96.2	96.2	96.2	96.2
GE 500	38.8	39.9	52.7	59.2	75.7	86.4	88.2	92.0	92.9	94.1	97.0	97.0	97.0	97.3	97.3	97.3
GE 400	39.1	40.2	53.0	59.5	76.0	86.7	88.5	92.6	93.5	94.7	97.6	97.6	97.6	97.9	97.9	97.9
GE 300	39.1	40.2	53.0	59.5	76.0	86.7	88.5	93.2	94.1	95.3	98.2	98.2	98.2	98.5	98.8	99.4
GE 200	39.1	40.2	53.0	59.5	76.0	86.7	88.5	93.2	94.1	95.3	98.2	98.2	98.2	98.5	99.1	99.7
GE 100	39.1	40.2	53.0	59.5	76.0	86.7	88.5	93.2	94.1	95.3	98.2	98.2	98.2	98.5	99.1	100.0
GE 000	39.1	40.2	53.0	59.5	76.0	86.7	88.5	93.2	94.1	95.3	98.2	98.2	98.2	98.5	99.1	100.0

TOTAL NUMBER OF OBSERVATIONS 338

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106530 STATION NAME: GIEBELSTADT AAF GERMANY PERIOD OF RECORD: OCT 80 - SEP 89
LST TO UTC: - 1 MONTH: DEC HOURS: 21-23

CEILING IN FEET	VISIBILITY IN METERS															
	GE 112	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 08	GE 06	GE 04	GE 00
NO CEIL	14.8	16.5	19.9	20.5	22.7	25.0	26.7	26.7	26.7	26.7	26.7	26.7	26.7	26.7	26.7	26.7
GE 20000	14.8	17.6	21.6	22.2	24.4	26.7	28.4	28.4	28.4	28.4	28.4	28.4	28.4	28.4	28.4	28.4
GE 18000	14.8	17.6	21.6	22.2	24.4	26.7	28.4	28.4	28.4	28.4	28.4	28.4	28.4	28.4	28.4	28.4
GE 16000	14.8	17.6	21.6	22.2	24.4	26.7	28.4	28.4	28.4	28.4	28.4	28.4	28.4	28.4	28.4	28.4
GE 14000	14.8	17.6	21.6	22.2	24.4	26.7	28.4	28.4	28.4	28.4	28.4	28.4	28.4	28.4	28.4	28.4
GE 12000	14.8	17.6	21.6	22.2	24.4	26.7	28.4	28.4	28.4	28.4	28.4	28.4	28.4	28.4	28.4	28.4
GE 10000	15.3	18.2	22.2	22.7	25.0	27.3	29.0	29.0	29.0	29.0	29.0	29.0	29.0	29.0	29.0	29.0
GE 9000	15.3	18.2	22.2	22.7	25.0	27.3	29.0	29.0	29.0	29.0	29.0	29.0	29.0	29.0	29.0	29.0
GE 8000	19.9	22.7	26.7	27.8	31.3	33.5	35.2	35.2	35.2	35.2	35.2	35.2	35.2	35.2	35.2	35.2
GE 7000	20.5	23.3	28.4	30.1	33.5	36.9	38.6	38.6	38.6	38.6	38.6	38.6	38.6	38.6	38.6	38.6
GE 6000	20.5	23.3	28.4	30.1	33.5	36.9	38.6	38.6	38.6	38.6	38.6	38.6	38.6	38.6	38.6	38.6
GE 5000	21.6	24.4	30.7	32.4	36.4	39.8	41.5	41.5	41.5	41.5	41.5	41.5	41.5	41.5	41.5	41.5
GE 4500	22.7	25.6	31.8	33.5	38.1	41.5	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2
GE 4000	26.1	29.0	36.4	38.1	42.6	46.6	48.3	48.3	48.3	48.3	48.3	48.3	48.3	48.3	48.3	48.3
GE 3500	27.8	30.7	39.2	40.9	45.5	49.4	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1
GE 3000	30.1	33.0	44.3	46.0	51.1	58.0	60.8	60.8	60.	60.8	60.8	60.8	60.8	60.8	60.8	60.8
GE 2500	31.8	34.7	47.2	48.9	54.5	61.4	64.2	64.2	64.2	64.2	64.8	64.8	64.8	64.8	64.8	64.8
GE 2000	33.5	36.9	51.7	56.3	62.5	69.3	72.2	72.7	72.7	72.7	73.3	73.3	73.3	73.3	73.3	73.3
GE 1800	33.5	36.9	51.7	56.3	62.5	69.3	72.2	72.7	72.7	72.7	73.3	73.3	73.3	73.3	73.3	73.3
GE 1500	33.5	36.9	52.8	58.0	69.9	76.7	79.5	81.3	81.3	81.3	81.8	81.8	81.8	81.8	81.8	81.8
GE 1200	33.5	36.9	52.8	58.0	69.9	77.8	80.7	824	83.0	83.0	83.5	83.5	83.5	83.5	83.5	83.5
GE 1000	34.1	37.5	54.0	59.1	72.2	83.0	85.8	87.5	88.1	88.1	88.6	89.2	89.2	89.2	89.2	89.2
GE 900	34.7	38.1	54.5	59.7	72.7	85.8	88.6	90.3	90.9	90.9	91.5	92.0	92.0	92.0	92.0	92.0
GE 800	34.7	38.1	54.5	59.7	72.7	85.8	89.2	90.9	91.5	92.0	93.2	93.8	93.8	93.8	93.8	93.8
GE 700	34.7	38.1	54.5	59.7	72.7	85.8	89.2	90.9	91.5	92.0	93.2	93.8	93.8	93.8	93.8	93.8
GE 600	34.7	38.1	54.5	59.7	73.3	87.5	90.9	92.6	93.2	93.8	94.9	95.5	95.5	95.5	95.5	95.5
GE 500	34.7	38.1	54.5	59.7	73.3	88.6	92.0	94.3	94.9	95.5	96.6	97.2	97.2	97.2	97.2	97.2
GE 400	34.7	38.1	54.5	59.7	73.3	88.6	92.0	94.9	95.5	96.0	97.2	97.7	97.7	98.3	98.3	98.3
GE 300	34.7	38.1	54.5	59.7	73.3	88.6	92.6	95.5	96.0	96.6	97.7	98.3	98.3	98.9	98.9	99.4
GE 200	34.7	38.1	54.5	59.7	73.3	88.6	92.6	95.5	96.0	96.6	97.7	98.3	98.3	98.9	98.9	99.4
GE 100	34.7	38.1	54.5	59.7	73.3	88.6	92.6	95.5	96.0	96.6	97.7	98.3	98.3	98.9	98.9	99.4
GE 000	34.7	38.1	54.5	59.7	73.3	88.6	92.6	95.5	96.0	96.6	98.3	98.9	98.9	99.4	99.4	100.0

TOTAL NUMBER OF OBSERVATIONS 176

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106530

STATION NAME: GIEBELSTADT AAF GERMANY
LST TO UTC: - 1

PERIOD OF RECORD: OCT 80 - SEP 89
MONTH: DEC HOURS: ALL

CEILING IN FEET	VISIBILITY IN METERS															
	GE 112	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 08	GE 06	GE 04	GE 00
NO CEIL	11.3	13.0	15.8	16.9	20.2	21.4	21.7	22.0	22.0	22.1	22.2	22.2	22.2	22.2	22.3	22.5
GE 20000	12.3	14.2	17.3	18.8	22.7	24.2	24.5	24.8	24.8	24.8	25.0	25.0	25.0	25.0	25.1	25.3
GE 18000	12.6	14.8	17.9	19.4	23.4	24.8	25.1	25.4	25.4	25.5	25.6	25.6	25.6	25.6	25.7	25.9
GE 16000	12.6	14.8	17.9	19.5	23.4	24.9	25.2	25.5	25.5	25.5	25.7	25.7	25.7	25.7	25.8	26.0
GE 14000	12.6	14.9	18.0	19.6	23.6	25.0	25.3	25.6	25.7	25.7	25.9	25.9	25.9	25.9	26.0	26.2
GE 12000	12.8	15.2	18.3	20.2	24.1	25.6	25.9	26.2	26.2	26.3	26.4	26.4	26.4	26.4	26.5	26.7
GE 10000	13.3	16.0	19.1	21.3	25.4	26.8	27.1	27.4	27.5	27.5	27.7	27.7	27.7	27.7	27.9	28.1
GE 9000	13.7	17.0	20.3	22.5	27.1	28.6	28.9	29.2	29.2	29.3	29.4	29.4	29.4	29.4	29.6	29.9
GE 8000	16.4	20.1	23.8	26.3	31.3	32.8	33.1	33.5	33.5	33.5	33.7	33.7	33.7	33.7	33.9	34.2
GE 7000	18.0	22.0	26.5	29.2	34.4	36.2	36.5	36.8	36.9	36.9	37.1	37.1	37.1	37.1	37.3	37.6
GE 6000	18.0	22.0	26.6	29.3	34.6	36.3	36.7	37.0	37.1	37.1	37.2	37.2	37.2	37.2	37.4	37.8
GE 5000	19.6	23.8	28.9	32.0	37.8	39.8	40.1	40.4	40.5	40.5	40.7	40.7	40.7	40.7	40.9	41.2
GE 4500	20.7	25.0	30.2	33.5	39.5	41.5	41.9	42.2	42.3	42.4	42.5	42.5	42.5	42.5	42.7	43.0
GE 4000	23.9	28.8	35.3	38.8	45.1	47.2	47.6	48.0	48.2	48.4	48.5	48.5	48.5	48.5	48.7	49.0
GE 3500	26.3	31.6	38.7	42.3	49.2	51.4	51.9	52.4	52.6	52.8	52.9	52.9	52.9	52.9	53.1	53.4
GE 3000	30.7	36.3	45.1	49.4	58.5	61.5	62.2	62.9	63.2	63.4	63.6	63.6	63.7	63.7	63.9	64.3
GE 2500	31.6	37.2	46.8	51.3	60.7	63.8	64.5	65.4	65.7	66.0	66.2	66.2	66.3	66.3	66.5	66.9
GE 2000	33.6	39.4	50.0	55.3	65.6	69.0	69.9	71.2	71.8	72.0	72.3	72.3	72.4	72.5	72.7	73.0
GE 1800	33.9	39.7	50.5	56.2	66.9	70.5	71.4	72.8	73.4	73.7	74.0	74.0	74.1	74.1	74.3	74.7
GE 1500	34.7	40.6	52.2	58.7	71.2	75.0	76.2	78.1	79.0	79.3	79.7	79.8	80.0	80.1	80.3	80.7
GE 1200	36.2	42.1	54.1	61.1	74.8	79.1	80.3	82.7	83.8	84.3	84.9	85.0	85.2	85.3	85.5	85.9
GE 1000	36.4	42.4	54.9	62.2	77.1	82.0	83.5	86.2	87.3	87.8	88.5	88.7	88.9	89.1	89.2	89.6
GE 900	36.7	42.7	55.2	62.6	77.9	83.1	84.6	87.6	88.8	89.4	90.1	90.3	90.5	90.7	90.9	91.3
GE 800	36.7	42.8	55.4	62.8	78.5	83.8	85.5	88.5	89.7	90.4	91.2	91.4	91.7	92.1	92.5	
GE 700	36.7	42.8	55.4	62.9	78.8	84.4	86.1	89.5	90.8	91.5	92.4	92.6	92	93.4	93.8	
GE 600	36.8	42.8	55.4	63.0	79.2	85.0	86.7	90.2	91.6	92.6	94.0	94.2	94	95.0	95.5	
GE 500	36.8	42.8	55.5	63.1	79.3	85.3	87.2	90.9	92.3	93.5	94.8	95.1	95.4	95.7	96.0	96.5
GE 400	36.9	42.9	55.6	63.1	79.4	85.5	87.4	91.2	92.6	93.9	95.2	95.6	95.9	96.3	96.6	97.2
GE 300	36.9	42.9	55.6	63.1	79.4	85.5	87.4	91.5	92.9	94.2	95.7	96.1	96.4	96.9	97.4	98.1
GE 200	36.9	42.9	55.6	63.1	79.4	85.5	87.5	91.6	93.0	94.4	96.0	96.4	96.8	97.4	98.0	99.5
GE 100	36.9	42.9	55.6	63.1	79.4	85.5	87.5	91.6	93.0	94.4	96.0	96.5	96.9	97.5	98.1	99.9
GE 000	36.9	42.9	55.6	63.1	79.4	85.6	87.5	91.6	93.1	94.4	96.0	96.6	96.9	97.6	98.2	100.0

TOTAL NUMBER OF OBSERVATIONS 2556

OPERATING LOCATION "A"
USAFTAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106530 STATION NAME: GIEBELSTADT AAF GERMANY PERIOD OF RECORD: OCT 80 - SEP 89
LST TO UTC: - 1 MONTH: ALL HOURS: ALL

CEILING IN FEET	VISIBILITY IN METERS															
	GE 112	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 08	GE 06	GE 04	GE 00
NO CEIL	22.8	24.0	28.3	30.1	33.6	34.8	35.4	36.0	36.2	36.5	36.8	36.8	36.9	36.9	37.0	37.3
GE 20000	26.2	27.7	32.6	34.6	38.6	39.9	40.5	41.2	41.4	41.7	41.9	42.0	42.1	42.1	42.2	42.6
GE 18000	26.5	28.0	33.0	35.1	39.0	40.3	41.0	41.6	41.9	42.1	42.4	42.5	42.5	42.6	42.7	43.1
GE 16000	26.5	28.0	33.0	35.1	39.1	40.4	41.0	41.7	41.9	42.2	42.5	42.6	42.6	42.7	42.8	43.2
GE 14000	26.7	28.2	33.2	35.3	39.3	40.6	41.2	41.9	42.2	42.4	42.7	42.8	42.9	42.9	43.0	43.4
GE 12000	27.2	28.8	33.8	36.0	40.0	41.3	42.0	42.7	42.9	43.2	43.5	43.6	43.6	43.7	43.7	44.1
GE 10000	28.6	30.3	35.6	37.9	42.1	43.5	44.2	44.8	45.1	45.4	45.7	45.8	45.8	45.9	46.0	46.4
GE 9000	29.7	31.5	37.0	39.4	43.9	45.3	46.0	46.7	47.0	47.3	47.6	47.7	47.8	47.8	47.9	48.3
GE 8000	32.9	34.9	41.0	43.7	48.6	50.2	51.0	51.8	52.1	52.4	52.8	52.8	52.9	53.0	53.1	53.5
GE 7000	34.7	36.8	43.3	46.1	51.3	53.0	53.9	54.7	55.0	55.4	55.7	55.8	55.9	56.0	56.0	56.5
GE 6000	35.1	37.2	43.8	46.6	51.9	53.6	54.4	55.2	55.6	55.9	56.3	56.4	56.5	56.6	57.0	
GE 5000	37.5	39.7	46.7	49.8	55.6	57.4	58.3	59.2	59.6	59.9	60.3	60.4	60.4	60.5	60.6	61.0
GE 4500	38.6	41.0	48.2	51.4	57.3	59.2	60.1	61.0	61.5	61.8	62.2	62.3	62.3	62.4	62.5	62.9
GE 4000	42.7	45.4	53.4	57.0	63.6	65.7	66.8	67.8	68.3	68.7	69.1	69.2	69.3	69.4	69.5	69.9
GE 3500	45.9	48.7	57.3	61.2	68.4	70.7	71.8	72.9	73.5	73.9	74.3	74.5	74.5	74.6	74.7	75.2
GE 3000	50.2	53.4	63.0	67.4	75.8	78.5	79.8	81.2	81.8	82.3	82.8	83.0	83.1	83.2	83.2	83.7
GE 2500	51.0	54.2	64.2	68.7	77.4	80.2	81.6	83.1	83.8	84.4	84.9	85.0	85.1	85.2	85.3	85.8
GE 2000	52.1	55.3	65.8	70.6	79.9	83.0	84.5	86.2	87.0	87.6	88.2	88.4	88.5	88.6	88.7	89.2
GE 1800	52.2	55.5	66.0	70.8	80.2	83.4	85.0	86.7	87.4	88.1	88.7	88.8	89.0	89.1	89.2	89.7
GE 1500	52.6	55.9	66.7	71.7	81.5	84.8	86.5	88.4	89.2	89.9	90.5	90.7	90.8	91.0	91.1	91.5
GE 1200	53.0	56.3	67.2	72.4	82.5	86.2	88.0	90.1	91.0	91.8	92.5	92.7	92.8	92.9	93.0	93.5
GE 1000	53.1	56.4	67.4	72.7	83.2	87.0	88.8	91.0	92.0	92.8	93.5	93.7	93.9	94.0	94.1	94.6
GE 900	53.1	56.4	67.5	72.8	83.5	87.3	89.2	91.4	92.4	93.2	94.0	94.2	94.4	94.5	94.6	95.1
GE 800	53.1	56.5	67.6	72.9	83.7	87.6	89.6	91.8	92.9	93.7	94.5	94.7	94.9	95.1	95.2	95.7
GE 700	53.2	56.5	67.6	73.0	83.8	87.8	89.8	92.2	93.3	94.1	95.0	95.3	95.4	95.6	95.7	96.2
GE 600	53.2	56.5	67.6	73.0	83.9	88.0	90.0	92.5	93.7	94.6	95.5	95.8	96.0	96.1	96.3	96.8
GE 500	53.2	56.5	67.7	73.0	84.0	88.1	90.2	92.8	94.0	95.0	96.0	96.3	96.4	96.6	96.8	97.4
GE 400	53.2	56.5	67.7	73.1	84.0	88.2	90.3	92.9	94.2	95.2	96.3	96.6	96.8	97.1	97.2	97.9
GE 300	53.2	56.5	67.7	73.1	84.0	88.2	90.3	93.0	94.3	95.3	96.4	96.8	97.1	97.3	97.5	98.3
GE 200	53.2	56.5	67.7	73.1	84.0	88.2	90.3	93.0	94.4	95.4	96.5	97.0	97.2	97.6	97.8	99.1
GE 100	53.2	56.5	67.7	73.1	84.0	88.2	90.3	93.0	94.4	95.4	96.6	97.0	97.3	97.6	97.9	99.9
GE 000	53.2	56.5	67.7	73.1	84.1	88.2	90.3	93.1	94.4	95.4	96.6	97.1	97.3	97.7	98.0	100.0

TOTAL NUMBER OF OBSERVATIONS: 34328

PPPPPPPP	AAAAAA	RRRRRRR	TTTTTTTTT	EEEEEEEEE
PPPPPPPPP	AAAAAAA	RRRRRRRR	TTTTTTTTT	EEEEEEEEE
PP PP	AA AA	RR RR	TT	EE
PP PP	AA AA	RR RR	TT	EE
PPPPPPPPP	AA AA	RRRRRRRR	TT	EEEEEE
PPPPPPPP	AAAAAAA	RRRRRRR	TT	EEEEEE
PP	AAAAAAA	RR RR	TT	EE
PP	AA AA	RR RR	TT	EE
PP	AA AA	RR RR	TT	EEEEEEEEE
PP	AA AA	RR RR	TT	EEEEEEEEE

PART E

TEMPERATURE AND RELATIVE HUMIDITY SUMMARIES

TEMPERATURE--CUMULATIVE PERCENT OCCURRENCE FREQUENCY (POF).

THESE TABLES ARE CREATED FROM SUMMARY OF DAY DATA AND GIVE CUMULATIVE POF FOR MAXIMUM, MINIMUM, AND MEAN TEMPERATURES, RESPECTIVELY. DATA IS SUMMARIZED BY MONTH FOR ALL YEARS COMBINED. TOTALS ARE GIVEN FOR THE WHOLE YEAR. DATA IS DISPLAYED USING 5-DEGREE FAHRENHEIT INCREMENTS (GE 0, GE 5, GE 10, ETC).. THERE IS ONE SPECIAL THRESHOLD FOR "GE 33" DEGREES. MEANS, STANDARD DEVIATIONS, AND TOTAL OBSERVATION COUNTS ARE GIVEN.

NOTE 1. BEGINNING IN JANUARY 1946, DAILY MAXIMUM AND MINIMUM TEMPERATURES CAME ROUTINELY FROM HOURLY OBSERVATIONS ON AWS FORMS 10/10A OR FROM AUTOMATED DATA COLLECTION FROM ALL USAF-OPERATED STATIONS. REFER TO THE "STATION HISTORY" PAGE FOR DETAILED INFORMATION ON REPORTING PRACTICES.

MONTHLY TEMPERATURES.

ALSO FROM SUMMARY OF DAY DATA, THE TABLES GIVE MONTHLY MAXIMUM AND MINIMUM TEMPERATURES BY MONTH AND BY YEAR. MONTHLY RECORD TEMPERATURES (MAX AND MIN) ARE GIVEN, ALONG WITH TOTAL OBSERVATIONS. AN ASTERISK (*) INDICATES A VALUE FOR A MONTH FOR WHICH LESS THAN 90% OF THE DATA ARE AVAILABLE. AN ASTERISK ALSO DENOTES A YEAR(S) WITH ONE OR MORE MISSING AND/OR INCOMPLETE MONTHS.

MEAN MONTHLY TEMPERATURE.

ALSO FROM SUMMARY OF DAY DATA, GIVES MONTHLY MEAN TEMPERATURE BY MONTH, FOR ALL MONTHS, AND FOR ALL YEARS. AN ASTERISK (*) INDICATES A VALUE FOR A MONTH FOR WHICH LESS THAN 90% OF THE DATA ARE AVAILABLE. AN ASTERISK ALSO DENOTES A YEAR(S) WITH ONE OR MORE MISSING AND/OR INCOMPLETE MONTHS.

DRY BULB, WET BULB, AND DEW POINT TEMPERATURES.

THESE TABLES ARE CREATED FROM HOURLY OBSERVATIONS--DATA IS SUMMARIZED:

- BY EIGHT 3-HOUR STANDARD TIME PERIODS FOR EACH MONTH (ALL YEARS COMBINED).
- BY MONTH (ALL YEARS AND ALL HOURS COMBINED).
- BY YEAR (ALL YEARS AND ALL HOURS COMBINED).

MEANS, STANDARD DEVIATIONS, AND TOTAL OBSERVATION COUNTS ARE GIVEN. THE MEAN NUMBER OF HOURS WITH TEMPERATURES FOR VARIOUS THRESHOLDS ALSO APPEAR AS SPECIFIED IN EACH SUMMARY AND IN ACCORDANCE WITH AFM 88-29, "ENGINEERING WEATHER DATA," AND AWSP 105-56, "METEOROLOGICAL TECHNIQUES."

NOTE 1. WINTER WET BULB AND DEW POINT MEAN TEMPERATURES FOR VERY COLD STATIONS MUST BE USED WITH CAUTION. WHEN THE DRY BULB TEMPERATURE IS BELOW -35 DEGREES F, WET BULB TEMPERATURES ARE NOT REPORTED (FMH-1B). AS A RESULT, WINTER MEAN DEW POINTS (AND MORE FREQUENTLY, WINTER MEAN WET BULB TEMPERATURES) ARE ACTUALLY LOWER THAN SHOWN IN THE TABLES. IN SOME HOUR GROUPS, IN FACT, MEAN WET BULB TEMPERATURES MAY ACTUALLY BE SHOWN AS EXCEEDING THE MEAN DRY BULB TEMPERATURES.

SPECIAL CAVEAT: DURING PART TIME PERIODS, THESE SUMMARIES REPRESENT THE "HIGH" AND "LOW" TEMPERATURES RECORDED AND NOT NECESSARILY THE ACTUAL MAXIMUM AND MINIMUM VALUES. THESE SUMMARIES ARE INFLUENCED BY THE ABSENCE OF NIGHTTIME TEMPERATURE READINGS. THEREFORE, CERTAIN SUMMARIES MAY DEPICT A SLIGHT "WARM" BIAS.

TEMPERATURE CONVERSIONS: $F = 1.8C + 32$

$$C = K - 273.0 \text{ (BEFORE 5 APRIL 77)}$$
$$C = K - 273.2 \text{ (SINCE 5 APRIL 77)}$$

RELATIVE HUMIDITY--CUMULATIVE PERCENT OCCURRENCE FREQUENCY (POF).

CREATED FROM HOURLY OBSERVATIONS, THESE TABLES GIVE POF OF RELATIVE HUMIDITY FOR 10% INCREMENTS. MEANS AND TOTAL OBSERVATION COUNTS ARE ALSO PROVIDED. THE DATA IS SUMMARIZED AS FOLLOWS:

- BY EIGHT 3-HOUR STANDARD TIME PERIODS FOR EACH MONTH (ALL YEARS COMBINED).
- BY MONTH (ALL YEARS AND ALL HOURS COMBINED).
- BY YEAR (ALL YEARS AND ALL HOURS COMBINED).

OPERATING LOCATION 'A'
USAFETAC, ASHEVILLE NC

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE OF MAXIMUM TEMPERATURES IN FAHRENHEIT
FROM SUMMARY OF DAY DATA

STATION NUMBER: 106530 STATION NAME: GIEBELSTADT AAF/GERMANY
LST TO UTC: -01 PERIOD OF RECORD: 4608-4712,5610-6004,8010-8909
MONTH: ALL HOURS: ALL

TEMP (DEG-F)	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
GE 100							.3						.0
GE 95							1.7	.3					.2
GE 90						2.0	6.3	2.4	1.3				1.0
GE 85						6.3	16.0	8.3	2.9				2.8
GE 80				.3	.4	17.8	32.3	24.9	8.7				7.2
GE 75				.7	10.2	31.6	48.0	43.6	22.0	1.4			13.2
GE 70		.6	7.3	28.7	50.0	70.3	68.0	42.1	5.7				22.8
GE 65	.4	2.3	16.3	43.8	64.1	84.7	83.7	62.1	12.6				30.8
GE 60	1.1	7.1	35.6	66.4	85.5	97.3	98.2	82.5	32.2	.6	.3		42.2
GE 55	.7	2.7	23.4	53.3	79.2	97.0	99.7	100.0	94.8	56.3	7.7	1.7	51.4
GE 50	4.1	8.4	43.5	72.3	94.0	99.7	100.0		100.0	82.5	27.4	7.4	61.7
GE 45	16.7	19.5	64.6	89.6	98.9	99.7				93.7	52.6	23.6	71.8
GE 40	30.0	38.9	77.9	97.6	100.0	100.0				98.6	71.7	41.9	79.9
GE 35	58.4	66.8	93.2	99.7						99.1	90.5	70.1	90.0
GE 33	63.8	74.8	96.8	100.0						99.7	93.8	77.5	92.4
GE 30	76.5	87.8	98.7							100.0	96.9	87.7	95.7
GE 25	89.1	97.3	99.7								99.4	96.3	98.5
GE 20	94.2	98.9	100.0								100.0	98.9	99.3
GE 15	96.9	100.0									100.0		99.8
GE 10	99.7											100.0	
GE 5	100.0											100.0	
MEAN	35.1	37.9	47.5	55.7	63.1	69.7	75.0	73.4	67.9	56.2	44.3	38.3	55.4
SD	9.02	7.83	8.81	8.97	8.68	9.27	9.19	7.97	8.43	7.82	7.47	7.68	16.26
TOTAL OBS	293	262	308	289	265	304	300	337	309	348	325	351	3691

OPERATING LOCATION 'A'
USAFETAC, ASHEVILLE NC

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE OF MINIMUM TEMPERATURES IN FAHRENHEIT
FROM SUMMARY OF DAY DATA

STATION NUMBER: 106530 STATION NAME: GIEBELSTADT AAF/GERMANY
LST TO UTC: -01

PERIOD OF RECORD: 4608-4712,5610-6004,8010-8909
MONTH: ALL HOURS: ALL

TEMP (DEG-F)	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
GE 85							.3						.0
GE 80							.7						.1
GE 75							1.0						.1
GE 70							.7	3.0	.3	.3			.4
GE 65							2.6	9.7	3.0	1.0			1.4
GE 60							2.3	15.8	31.7	24.9	8.4		7.0
GE 55							.7	15.8	40.5	66.0	60.2	25.9	3.2
GE 50		.8	2.6	8.7	43.0	75.0	94.3	88.7	61.2	18.7	2.2	.3	33.1
GE 45	2.4	1.9	11.0	25.3	77.4	95.4	100.0	97.9	88.3	44.5	10.2	4.3	46.6
GE 40	8.9	8.0	25.6	46.7	89.1	99.0		100.0	95.1	63.8	31.1	13.4	56.9
GE 35	24.6	23.3	50.6	80.3	98.1	100.0			100.0	83.9	59.4	39.6	71.9
GE 33	34.8	34.4	62.3	88.2	99.6					89.1	68.9	51.6	77.7
GE 30	54.9	53.8	78.2	97.2	99.6					94.0	83.4	66.1	85.8
GE 25	68.3	73.7	90.9	100.0	100.0					99.7	94.2	82.6	92.7
GE 20	79.2	85.5	94.8							100.0	97.8	89.7	95.7
GE 15	88.4	92.0	98.7								99.7	95.4	97.9
GE 10	93.9	95.4	99.7								100.0	98.6	99.0
GE 5	97.3	98.1	100.0									100.0	99.6
GE 0	99.0	99.6											99.9
GE -5	99.7	100.0											100.0
GE -10	100.0												100.0
MEAN	27.8	28.7	34.6	39.9	48.1	53.4	57.4	55.7	51.0	42.2	35.8	31.7	42.3
SD	10.20	9.08	7.93	6.03	6.31	5.86	6.05	5.32	6.06	7.48	7.04	8.25	12.49
TOTAL OBS	293	262	308	289	265	304	300	337	309	348	325	351	3691

OPERATING LOCATION 'A'
USAFETAC, ASHEVILLE NC

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE OF MEAN TEMPERATURES IN FAHRENHEIT
FROM SUMMARY OF DAY DATA

STATION NUMBER: 106530 STATION NAME: GIEBELSTADT AAF/GERMANY
LST TO UTC: -01 PERIOD OF RECORD: 4608-4712,5610-6004,8010-8909
MONTH: ALL HOURS: ALL

TEMP (DEG-F)	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
GE 90							.3						.0
GE 85							1.0						.1
GE 80						.3	4.3	.3					.4
GE 75						3.3	12.7	5.3	.6				1.8
GE 70					.4	15.8	30.3	21.4	7.4				6.4
GE 65				1.0	11.7	33.9	54.7	49.3	20.7	1.1			14.5
GE 60				4.5	33.2	56.9	84.0	78.0	47.9	3.7			25.7
GE 55		1.1	3.9	18.7	59.2	85.5	98.7	98.8	80.3	23.0	.9		39.2
GE 50	1.0	1.9	14.0	40.5	80.8	98.7	100.0	100.0	94.8	52.3	7.4	1.1	49.4
GE 45	6.1	7.6	35.4	68.5	94.3	99.7			100.0	78.2	30.2	11.4	61.1
GE 40	19.8	19.8	60.7	90.0	99.2	100.0				91.7	56.0	30.2	72.5
GE 35	44.7	45.8	82.5	99.3	100.0					97.4	79.4	55.8	84.0
GE 33	54.3	57.3	87.0	99.7						98.6	87.7	65.8	87.8
GE 30	65.9	73.3	92.5	100.0						100.0	92.3	78.6	92.1
GE 25	78.2	88.2	98.4								98.2	89.7	96.2
GE 20	90.4	93.9	99.4								100.0	96.6	98.4
GE 15	94.2	98.1	100.0									98.6	99.3
GE 10	98.0	99.6									100.0		99.8
GE 5	99.7	100.0										100.0	
GE -5													100.0
MEAN	31.7	33.6	41.3	48.1	55.9	61.8	66.4	64.7	59.6	49.4	40.2	35.2	49.1
SD	9.38	8.04	7.72	6.75	6.73	6.88	6.87	5.71	6.08	6.67	6.85	7.77	13.96
TOTAL OBS	293	262	308	289	265	304	300	337	309	348	325	351	3691

OPERATING LOCATION 'A'
USAFETAC, ASHEVILLE NC

MONTHLY MAXIMUM TEMPERATURES IN FAHRENHEIT
FROM SUMMARY OF DAY DATA

STATION NUMBER: 106530 STATION NAME: GIEBELSTADT AAF/GERMANY
LST TO UTC: -01

PERIOD OF RECORD: 4608-4712,5610-6004,8010-8909
MONTH: ALL HOURS: ALL

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
46								89	75	65	54	49	89*
47	*	*				94	100	94	91	75	56	50	100*
56										69*	54	60	69*
57	51	61	65	73	75	91	97	81	83	67	58	49	97
58	48	62*	61*	68*	79*	83*	88*	87*	84*	70*	54*	55*	88*
59	56*	50*	68*	80*	79*	86*	96*	87*	82*	72*	52*	51*	96*
60	49*	66*	68*	74*									74*
80										64*	57*	52*	64*
81	37*	46*	63*	66*	77*	86*	88*	86*	79*	73*	59*	48*	88*
82	48*	50*	61*	70*	79*	84*	88*	84*	82*	63*	63*	59*	88*
83	55*	52*	59*	70*	73*	81*	97*	84*	81*	77*	54*	48*	97*
84	46*	46*	57*	68*	68*	79*	90*	82*	73*	68*	52*	45*	90*
85	46*	48*	55*	72*	73*	81*	90*	91*	81*	79*	55*	55*	91*
86	46*	41*	57*	72*	81*	82*	86*	82*	77*	72*	59*	52*	86*
87	39*	48*	54*	72*	68*	84*	82*	84*	84*	66*	54*	55*	84*
88	52*	52*	55*	72*	79*	79*	84*	88*	82*	63*	54*	50*	88*
89	46*	48*	72*	70*	77*	82*	86*	99*					99*
GREATEST	56	66	72	80	81	94	100	99	91	79	63	60	100
TOTAL OBS	293	262	308	289	265	304	300	337	309	348	325	351	3691

THE GREATEST VALUE OF 100 OCCURRED ON 07/29/47

NOTE: *THE VALUE IS BASED ON A MONTH WITH LESS THAN 90% OF THE DATA AVAILABLE FOR THE MONTH

OPERATING LOCATION 'A'
USAFTAC, ASHEVILLE NC

MONTHLY MINIMUM TEMPERATURES IN FAHRENHEIT
FROM SUMMARY OF DAY DATA

STATION NUMBER: 106530 STATION NAME: GIEBELSTADT AAF/GERMANY PERIOD OF RECORD: 4608-4712, 5610-6004, 8010-8909
LST TO UTC: -01 MONTH: ALL HOURS: ALL

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
46								45	44	25	27	7	7*
47	*	*				39	45	40	37	23	23	5	5*
56										28*	12	11	11*
57	9	24	24	30	29	44	52	43	38	30	25	17	9
58	14	21*	8*	27*	44*	50*	51*	49*	44*	30*	33*	19*	8*
59	12*	19*	28*	33*	45*	50*	54*	52*	41*	34*	28*	27*	12*
60	7*	13*	26*	32*									7*
80										32*	27*	14*	14*
81	7*	19*	30*	27*	34*	45*	48*	45*	45*	37*	25*	18*	7*
82	-2*	18*	27*	30*	36*	48*	50*	46*	41*	34*	34*	27*	-2*
83	27*	14*	25*	36*	41*	45*	46*	52*	37*	27*	16*	14*	14*
84	19*	16*	19*	28*	34*	39*	46*	45*	37*	34*	28*	30*	16*
85	-8*	-2*	23*	32*	36*	43*	46*	41*	37*	27*	16*	18*	-8*
86	12*	3*	25*	28*	45*	39*	48*	45*	37*	36*	32*	16*	3*
87	0*	9*	12*	30*	34*	48*	48*	43*	37*	36*	27*	14*	0*
88	28*	27*	21*	30*	43*	46*	48*	43*	43*	28*	16*	23*	16*
89	23*	27*	30*	32*	41*	43*	48*	45*					23*
LEAST	-8	-2	8	27	29	39	45	40	37	23	12	5	-8
TOTAL OBS	293	262	308	289	265	304	300	337	309	348	325	351	3691

THE LEAST VALUE OF -8 OCCURRED ON 01/08/85

NOTE: *THE VALU IS BASED ON A MONTH WITH LESS THAN 90% OF THE DATA AVAILABLE FOR THE MONTH

OPERATING LOCATION 'A'
USAFETAC, ASHEVILLE NC

MONTHLY MEAN TEMPERATURES IN FAHRENHEIT
FROM SUMMARY OF DAY DATA

STATION NUMBER: 106530 STATION NAME: GIEBELSTADT AAF/GERMANY PERIOD OF RECORD: 4608-4712, 5610-6004, 8010-8909
LST TO UTC: -01 MONTH: ALL HOURS: ALL

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
46								63	59	46	39	28	47*
47	*	*				65	68	68	63	46	41	32	55*
56										48*	37	35	38*
57	31	42	47	48	52	66	68	62	57	50	41	33	50
58	32	39*	33*	44*	61*	62*	66*	66*	61*	49*	42*	38*	49*
59	35*	33*	47*	53*	60*	66*	72*	69*	61*	50*	40*	38*	52*
60	33*	34*	44*	51*									41*
80										49*	42*	34*	42*
81	27*	32*	46*	47*	54*	61*	64*	64*	61*	50*	44*	31*	49*
82	26*	32*	42*	46*	56*	63*	67*	65*	61*	51*	45*	40*	50*
83	41*	31*	42*	50*	53*	62*	72*	67*	60*	51*	37*	32*	50*
84	35*	34*	38*	44*	51*	57*	62*	62*	54*	52*	40*	38*	48*
85	23*	27*	38*	48*	57*	59*	64*	64*	59*	47*	33*	41*	47*
86	33*	23*	40*	49*	61*	61*	65*	64*	56*	53*	45*	38*	49*
87	22*	31*	33*	48*	49*	58*	64*	62*	64*	50*	42*	37*	47*
88	39*	38*	39*	49*	59*	60*	64*	64*	58*	52*	38*	39*	50*
89	36*	37*	47*	46*	59*	61*	67*	66*					53*
MEAN	31.7	33.6	41.3	48.1	55.9	61.8	66.4	64.7	59.6	49.4	40.2	35.2	49.1
TOTAL OBS	293	262	308	289	265	304	300	337	309	348	325	351	3691

NOTE: *THE VALUE IS BASED ON A MONTH WITH LESS THAN 90% OF THE DATA AVAILABLE FOR THE MONTH

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

DRY BULB TEMPERATURE SUMMARY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106530 STATION NAME: GIEBELSTADT AAF GERMANY PERIOD OF RECORD: OCT 80 - SEP 89
LST TO UTC: + 1 MONTH: JAN

HOURS LST	MEAN	STANDARD DEVIATION	TOTAL OBS	MEAN NUMBER OF HOURS WITH TEMPERATURES DEG F						TOTAL HOURS
				LE 0	LE 32	GE 65	GE 80	GE 93		
00-02	.0	.000	0	0	0	0	0	0	0	0
03-05	.0	.000	0	0	0	0	0	0	0	0
06-08	29.4	11.197	477	7	275	0	0	0	0	477
09-11	30.0	10.888	565	6	309	0	0	0	0	565
12-14	32.5	10.229	568	2	247	0	0	0	0	568
15-17	33.1	9.723	556	0	235	0	0	0	0	556
18-20	31.9	10.235	462	2	212	0	0	0	0	462
21-23	30.7	10.830	239	2	120	0	0	0	0	239
ALL HOURS	31.4	10.561	2867	19	1398	0	0	0	0	2867

MONTH: FEB

HOURS LST	MEAN	STANDARD DEVIATION	TOTAL OBS	MEAN NUMBER OF HOURS WITH TEMPERATURES DEG F						TOTAL HOURS
				LE 0	LE 32	GE 65	GE 80	GE 93		
00-02	.0	.000	0	0	0	0	0	0	0	0
03-05	.0	.000	0	0	0	0	0	0	0	0
06-08	27.2	9.337	442	4	303	0	0	0	0	442
09-11	29.9	8.549	524	1	307	0	0	0	0	524
12-14	33.5	7.313	523	0	217	0	0	0	0	523
15-17	34.8	6.577	521	0	188	0	0	0	0	521
18-20	32.6	7.049	459	0	216	0	0	0	0	459
21-23	31.0	8.172	239	0	120	0	0	0	0	239
ALL HOURS	31.7	8.277	2708	5	1351	0	0	0	0	2708

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

DRY BULB TEMPERATURE SUMMARY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106530 STATION NAME: GIEBELSTADT AAF GERMANY PERIOD OF RECORD: OCT 80 - SEP 89
LST TO UTC: - 1 MONTH: MAR

HOURS LST	MEAN	STANDARD DEVIATION	TOTAL OBS	MEAN LE 0	NUMBER OF HOURS WITH LE 32	TEMPERATURES GE 65	DEG F GE 80	DEG F GE 93	TOTAL HOURS
00-02	.0	.000	0	0	0	0	0	0	0
03-05	.0	.000	0	0	0	0	0	0	0
06-08	35.5	7.091	525	0	178	0	0	0	525
09-11	39.4	7.664	615	0	110	0	0	0	615
12-14	43.9	7.872	612	0	33	8	0	0	612
15-17	45.0	7.988	605	0	24	9	0	0	605
18-20	41.3	7.624	525	0	63	3	0	0	525
21-23	38.0	6.915	279	0	66	0	0	0	279
ALL HOURS	40.9	8.244	3161	0	474	20	0	0	3161

MONTH: APR

00-02	.0	.000	0	0	0	0	0	0	0
03-05	.0	.000	0	0	0	0	0	0	0
06-08	41.8	5.959	570	0	36	0	0	0	570
09-11	48.0	7.084	567	0	5	2	0	0	567
12-14	52.6	8.206	563	0	0	35	0	0	563
15-17	53.8	8.899	540	0	0	57	0	0	540
18-20	50.5	7.939	456	0	2	13	0	0	456
21-23	46.7	6.711	195	0	1	0	0	0	195
ALL HOURS	49.1	8.734	2891	0	44	107	0	0	2891

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

DRY BULB TEMPERATURE SUMMARY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106530 STATION NAME: GIEBELSTADT AAF GERMANY PERIOD OF RECORD: OCT 80 - SEP 89
LST TO UTC: - 1 MONTH: MAY

HOURS LST	MEAN	STANDARD DEVIATION	TOTAL OBS	MEAN NUMBER OF HOURS WITH TEMPERATURES DEG F						TOTAL HOURS
				LE 0	LE 32	GE 65	GE 80	GE 93		
00-02	.0	.000	0	0	0	0	0	0	0	0
03-05	.0	.000	0	0	0	0	0	0	0	0
06-08	50.4	6.247	561	0	0	3	0	0	0	561
09-11	56.4	7.491	574	0	0	72	0	0	0	574
12-14	60.2	8.673	563	0	0	178	1	0	0	563
15-17	61.2	9.034	520	0	0	185	0	0	0	520
18-20	58.3	8.485	437	0	0	101	0	0	0	437
21-23	54.4	7.146	200	0	0	9	0	0	0	200
ALL HOURS	57.0	8.763	2855	0	0	548	1	0	0	2855

MONTH: JUN

HOURS LST	MEAN	STANDARD DEVIATION	TOTAL OBS	MEAN NUMBER OF HOURS WITH TEMPERATURES DEG F						TOTAL HOURS
				LE 0	LE 32	GE 65	GE 80	GE 93		
00-02	.0	.000	0	0	0	0	0	0	0	0
03-05	.0	.000	0	0	0	0	0	0	0	0
06-08	55.7	5.896	575	0	0	44	0	0	0	575
09-11	61.9	7.229	586	0	0	187	3	0	0	586
12-14	65.6	8.152	577	0	0	275	26	0	0	577
15-17	66.6	8.622	557	0	0	290	42	0	0	557
18-20	63.6	8.282	510	0	0	207	17	0	0	510
21-23	58.4	6.623	235	0	0	39	0	0	0	235
ALL HOURS	62.3	8.549	3040	0	0	1042	88	0	0	3040

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

DRY BULB TEMPERATURE SUMMARY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106530 STATION NAME: GIEBELSTADT AAF GERMANY PERIOD OF RECORD: OCT 80 - SEP 89
LST TO UTC: - 1 MONTH: JUL

HOURS LST	MEAN	STANDARD DEVIATION	TOTAL OBS	MEAN NUMBER OF HOURS WITH TEMPERATURES DEG F						TOTAL HOURS
				LE 0	LE 32	GE 65	GE 80	GE 93		
00-02	.0	.000	0	0	0	0	0	0	0	0
03-05	.0	.000	0	0	0	0	0	0	0	0
06-08	59.3	5.221	562	0	0	71	0	0	0	562
09-11	66.7	6.965	567	0	0	310	17	0	0	567
12-14	71.2	8.403	573	0	0	425	99	4	0	573
15-17	72.3	8.542	553	0	0	421	130	6	0	553
18-20	68.9	7.784	485	0	0	308	46	0	0	485
21-23	63.1	6.266	257	0	0	91	1	0	0	257
ALL HOURS	67.2	8.676	2997	0	0	1626	293	10	0	2997

MONTH: AUG

00-02	.0	.000	0	0	0	0	0	0	0	0
03-05	.0	.000	0	0	0	0	0	0	0	0
06-08	57.9	5.759	588	0	0	56	1	0	0	588
09-11	65.4	6.652	589	0	0	281	13	0	0	589
12-14	70.4	7.571	587	0	0	412	75	3	0	587
15-17	71.8	7.786	573	0	0	434	104	3	0	573
18-20	67.6	7.199	520	0	0	303	25	1	0	520
21-23	62.5	6.213	255	0	0	86	0	0	0	255
ALL HOURS	66.2	8.510	3112	0	0	1572	218	7	0	3112

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

DRY BULB TEMPERATURE SUMMARY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106530 STATION NAME: GIEBELSTADT AAF GERMANY PERIOD OF RECORD: OCT 80 - SEP 89
LST TO UTC: - 1 MONTH: SEP

HOURS LST	MEAN	STANDARD DEVIATION	TOTAL OBS	MEAN NUMBER OF HOURS WITH TEMPERATURES DEG F					TOTAL HOURS
				LE 0	LE 32	GE 65	GE 80	GE 93	
00-02	.0	.000	0	0	0	0	0	0	0
03-05	.0	.000	0	0	0	0	0	0	0
06-08	52.7	6.712	499	0	0	13	0	0	499
09-11	59.1	6.679	507	0	0	83	0	0	507
12-14	64.6	7.465	508	0	0	221	12	0	508
15-1	65.6	7.948	505	0	0	252	31	0	505
18-20	60.9	6.900	465	0	0	114	1	0	465
21-23	55.8	6.009	169	0	0	12	0	0	169
ALL HOURS	60.3	8.436	2653	0	0	695	44	0	2653

MONTH: OCT

00-02	.0	.000	0	0	0	0	0	0	0
03-05	.0	.000	0	0	0	0	0	0	0
06-08	45.0	7.442	476	0	34	0	0	0	476
09-11	49.5	7.274	567	0	16	9	0	0	567
12-14	54.6	7.546	565	0	5	42	0	0	565
15-17	55.2	7.382	556	0	5	45	0	0	556
18-20	51.3	6.503	499	0	6	14	0	0	499
21-23	49.0	6.302	282	0	6	2	0	0	282
ALL HOURS	51.1	8.007	2945	0	72	112	0	0	2945

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

DRY BULB TEMPERATURE SUMMARY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106530 STATION NAME: GIEBELSTADT AAF GERMANY PERIOD OF RECORD: OCT 80 - SEP 89
LST TO UTC: - 1 MONTH: NOV

HOURS LST	MEAN	STANDARD DEVIATION	TOTAL OBS	MEAN LE 0	NUMBER OF HOURS WITH LE 32	TEMPERATURES GE 65	DEG F GE 80	DEG F GE 93	TOTAL HOURS
00-02	.0	.000	0	0	0	0	0	0	0
03-05	.0	.000	0	0	0	0	0	0	0
06-08	36.8	7.839	407	0	126	0	0	0	407
09-11	39.2	7.899	495	0	98	0	0	0	495
12-14	43.1	8.219	491	0	52	0	0	0	491
15-17	43.2	8.175	483	0	50	0	0	0	483
18-20	40.1	7.905	439	0	71	0	0	0	439
21-23	38.8	7.669	244	0	48	0	0	0	244
ALL HOURS	40.4	8.268	2559	0	445	0	0	0	2559

MONTH: DEC

00-02	.0	.000	0	0	0	0	0	0	0
03-05	.0	.000	0	0	0	0	0	0	0
06-08	34.5	7.887	440	0	153	0	0	0	440
09-11	35.6	7.658	542	0	174	0	0	0	542
12-14	37.8	7.242	546	0	127	0	0	0	546
15-17	37.7	6.945	514	0	123	0	0	0	514
18-20	36.3	6.717	338	0	100	0	0	0	338
21-23	35.9	6.462	176	0	52	0	0	0	176
ALL HOURS	36.4	7.407	2556	0	729	0	0	0	2556

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

DRY BULB TEMPERATURE SUMMARY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106530 STATION NAME: GIEBELSTADT AAF GERMANY PERIOD OF RECORD: OCT 80 - SEP 89
LST TO UTC: - 1 MONTH: ALL

HOURS LST	MEAN	STANDARD DEVIATION	TOTAL OBS	MEAN NUMBER OF HOURS WITH TEMPERATURES DEG F						TOTAL HOURS
				LE 0	LE 32	GE 65	GE 80	GE 93		
00-02	.0	.000	0	0	0	0	0	0	0	0
03-05	.0	.000	0	0	0	0	0	0	0	0
06-08	44.8	13.000	6122	11	1105	187	1	0	6122	
09-11	48.6	15.049	6698	7	1019	944	33	0	6698	
12-14	52.7	15.769	6676	2	681	1596	213	7	6676	
15-17	53.5	16.003	6483	0	625	1693	307	9	6483	
18-20	50.9	15.161	5595	2	670	1063	89	1	5595	
21-23	47.0	13.630	2770	2	413	239	1	0	2770	
ALL HOURS	49.9	15.270	34344	24	4513	5722	644	17	34344	

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

WET BULB TEMPERATURE SUMMARY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106530

STATION NAME: GIEBELSTADT AAF GERMANY
LST TO UTC: - 1

PERIOD OF RECORD: OCT 80 - SEP 89
MONTH: JAN

HOURS LST	MEAN	STANDARD DEVIATION	TOTAL OBS	MEAN LE 32	NUMBER GE 50	OF HOURS GE 67	WITH GE 73	TEMPERATURES GE 80	DEG F	TOTAL HOURS
00-02	.0	.000	0	0	0	0	0	0	0	0
03-05	.0	.000	0	0	0	0	0	0	0	0
06-08	27.6	10.815	470	315	0	0	0	0	0	470
09-11	28.1	10.507	555	349	0	0	0	0	0	555
12-14	30.1	9.778	558	298	0	0	0	0	0	558
15-17	30.4	9.318	550	293	3	0	0	0	0	550
18-20	29.6	9.893	456	257	2	0	0	0	0	456
21-23	28.5	10.400	237	142	1	0	0	0	0	237
ALL HOURS	29.1	10.121	2826	1654	6	0	0	0	0	2826

MONTH: FEB

00-02	.0	.000	0	0	0	0	0	0	0	0
03-05	.0	.000	0	0	0	0	0	0	0	0
06-08	25.7	8.970	442	343	0	0	0	0	0	442
09-11	27.8	8.140	521	361	0	0	0	0	0	521
12-14	30.7	6.910	522	297	0	0	0	0	0	522
15-17	31.6	6.355	521	265	0	0	0	0	0	521
18-20	29.8	6.969	459	271	0	0	0	0	0	459
21-23	28.4	8.021	239	154	0	0	0	0	0	239
ALL HOURS	29.1	7.827	2704	1691	0	0	0	0	0	2704

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

WET BULB TEMPERATURE SUMMARY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106530 STATION NAME: GIEBELSTADT AAF GERMANY PERIOD OF RECORD: OCT 80 - SEP 89
LST TO UTC: - 1 MONTH: MAR

HOURS LST	MEAN	STANDARD DEVIATION	TOTAL OBS	MEAN NUMBER OF HOURS WITH TEMPERATURES DEG F						TOTAL HOURS
				LE 32	GE 50	GE 67	GE 73	GE 80		
00-02	.0	.000	0	0	0	0	0	0	0	0
03-05	.0	.000	0	0	0	0	0	0	0	0
06-08	33.8	6.892	523	224	8	0	0	0	0	523
09-11	36.8	7.188	615	152	31	0	0	0	0	615
12-14	39.6	7.031	612	82	50	0	0	0	0	612
15-17	40.1	6.938	605	74	54	0	0	0	0	605
18-20	37.6	6.927	525	109	21	0	0	0	0	525
21-23	35.1	6.617	279	88	6	0	0	0	0	279
ALL HOURS	37.5	7.319	3159	729	170	0	0	0	0	3159

MONTH: APR

00-02	.0	.000	0	0	0	0	0	0	0	0
03-05	.0	.000	0	0	0	0	0	0	0	0
06-08	38.9	5.858	570	80	18	0	0	0	0	570
09-11	43.0	6.143	567	20	92	0	0	0	0	567
12-14	45.4	6.457	563	5	167	0	0	0	0	563
15-17	45.7	6.555	540	6	168	0	0	0	0	540
18-20	44.0	6.204	456	6	100	0	0	0	0	456
21-23	41.9	5.668	195	4	24	0	0	0	0	195
ALL HOURS	43.2	6.704	2891	121	569	0	0	0	0	2891

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

WET BULB TEMPERATURE SUMMARY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106530 STATION NAME: GIEBELSTADT AAF GERMANY PERIOD OF RECORD: OCT 80 - SEP 89
LST TO UTC: - 1 MONTH: MAY

HOURS LST	MEAN	STANDARD DEVIATION	TOTAL OBS	MEAN NUMBER OF HOURS WITH TEMPERATURES DEG F	LE 32	GE 50	GE 67	GE 73	GE 80	TOTAL HOURS
00-02	.0	.000	0		0	0	0	0	0	0
03-05	.0	.000	0		0	0	0	0	0	0
06-08	47.5	5.927	560		2	217	0	0	0	560
09-11	51.2	6.198	574		0	360	0	0	0	574
12-14	52.8	6.459	563		0	393	0	0	0	563
15-17	53.1	6.437	520		0	365	0	0	0	520
18-20	51.6	6.404	437		0	291	0	0	0	437
21-23	49.5	6.077	200		0	105	0	0	0	200
ALL HOURS	51.1	6.547	2854		2	1731	0	0	0	2854

MONTH: JUN

00-02	.0	.000	0		0	0	0	0	0	0
03-05	.0	.000	0		0	0	0	0	0	0
06-08	52.4	5.745	575		0	374	0	0	0	575
09-11	56.0	6.093	586		0	493	27	0	0	586
12-14	57.5	6.270	577		0	519	56	3	0	577
15-17	57.8	6.350	557		0	505	43	8	0	557
18-20	56.6	6.327	510		0	438	25	7	0	510
21-23	53.4	5.838	235		0	165	5	0	0	235
ALL HOURS	55.8	6.420	3040		0	2494	156	18	0	3040

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

WET BULB TEMPERATURE SUMMARY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106530 STATION NAME: GIEBELSTADT AAF GERMANY PERIOD OF RECORD: OCT 80 - SEP 89
LST TO UTC: + 1 MONTH: JUL

HOURS LST	MEAN	STANDARD DEVIATION	TOTAL OBS	MEAN LE 32	NUMBER OF HOURS WITH GE 50	TEMPERATURES GE 67	DEG F GE 73	DEG F GE 80	TOTAL HOURS
00-02	.0	.000	0	0	0	0	0	0	0
03-05	.0	.000	0	0	0	0	0	0	0
06-08	55.6	5.040	562	0	497	5	0	0	562
09-11	59.8	5.447	567	0	552	77	1	0	567
12-14	61.2	5.695	573	0	564	120	4	0	573
15-17	61.4	5.398	552	0	549	114	4	0	552
18-20	60.2	5.381	485	0	480	79	2	0	485
21-23	57.1	4.995	257	0	243	9	0	0	257
ALL HOURS	59.4	5.760	2996	0	2885	404	11	0	2996

MONTH: AUG

00-02	.0	.000	0	0	0	0	0	0	0
03-05	.0	.000	0	0	0	0	0	0	0
06-08	54.9	5.312	587	0	495	6	0	0	587
09-11	59.2	5.012	589	0	575	43	1	0	589
12-14	60.7	4.895	587	0	583	71	1	0	587
15-17	60.8	4.760	573	0	571	54	0	0	573
18-20	59.1	4.771	520	0	508	21	0	0	520
21-23	56.7	4.910	255	0	233	1	0	0	255
ALL HOURS	58.8	5.387	3111	0	2965	196	2	0	3111

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

WET BULB TEMPERATURE SUMMARY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106530 STATION NAME: GIEBELSTADT AAF GERMANY PERIOD OF RECORD: OCT 80 - SEP 89
LST TO UTC: - 1 MONTH: SEP

HOURS LST	MEAN	STANDARD DEVIATION	TOTAL OBS	MEAN NUMBER OF HOURS WITH TEMPERATURES DEG F						TOTAL HOURS
				LE 32	GE 50	GE 67	GE 73	GE 80		
00-02	.0	.000	0	0	0	0	0	0	0	0
03-05	.0	.000	0	0	0	0	0	0	0	0
06-08	50.0	6.097	499	1	265	0	0	0	0	499
09-11	54.5	5.432	507	0	417	11	0	0	0	507
12-14	57.0	5.605	508	0	465	31	0	0	0	508
15-17	57.2	5.762	505	0	469	31	1	0	0	505
18-20	54.9	5.599	465	0	387	8	0	0	0	465
21-23	51.6	5.454	169	0	110	1	0	0	0	169
ALL HOURS	54.5	6.261	2653	1	2113	82	1	0	26.3	

MONTH: OCT

HOURS LST	MEAN	STANDARD DEVIATION	TOTAL OBS	MEAN NUMBER OF HOURS WITH TEMPERATURES DEG F						TOTAL HOURS
				LE 32	GE 50	GE 67	GE 73	GE 80		
00-02	.0	.000	0	0	0	0	0	0	0	0
03-05	.0	.000	0	0	0	0	0	0	0	0
06-08	42.8	6.986	476	43	91	0	0	0	0	476
09-11	46.3	6.473	567	18	203	0	0	0	0	567
12-14	49.5	6.186	565	9	283	4	0	0	0	565
15-17	49.8	6.162	556	9	283	5	0	0	0	556
18-20	47.4	5.927	499	8	178	1	0	0	0	499
21-23	45.8	5.955	282	6	79	0	0	0	0	282
ALL HOURS	47.1	6.755	2945	93	1117	10	0	0	0	2945

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

WET BULB TEMPERATURE SUMMARY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106530 STATION NAME: GIEBELSTADT AAF GERMANY PERIOD OF RECORD: OCT 80 - SEP 89
LST TO UTC: - 1 MONTH: NOV

HOURS LST	MEAN	STANDARD DEVIATION	TOTAL OBS	MEAN	NUMBER OF HOURS WITH TEMPERATURES DEG F						TOTAL HOURS
				LE 32	GE 50	GE 67	GE 73	GE 80			
00-02	.0	.000	0		0	0	0	0	0	0	0
03-05	.0	.000	0		0	0	0	0	0	0	0
06-08	34.5	7.224	407		154	6	0	0	0	0	407
09-11	36.7	7.261	495		138	23	0	0	0	0	495
12-14	39.5	7.427	491		79	43	0	0	0	0	491
15-17	39.5	7.415	483		76	43	0	0	0	0	483
18-20	37.3	7.236	439		111	15	0	0	0	0	439
21-23	36.2	7.168	244		71	5	0	0	0	0	244
ALL HOURS	37.5	7.517	2559		629	135	0	0	0	0	2559

MONTH: DEC

00-02	.0	.000	0		0	0	0	0	0	0	0
03-05	.0	.000	0		0	0	0	0	0	0	0
06-08	32.4	7.530	440		195	4	0	0	0	0	440
09-11	33.2	7.297	542		231	5	0	0	0	0	542
12-14	35.0	6.922	546		179	6	0	0	0	0	546
15-17	34.9	6.743	514		168	5	0	0	0	0	514
18-20	34.0	6.662	338		130	4	0	0	0	0	338
21-23	33.6	6.526	176		71	2	0	0	0	0	176
ALL HOURS	33.9	7.105	2556		974	26	0	0	0	0	2556

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

WET BULB TEMPERATURE SUMMARY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106530 STATION NAME: GIEBELSTADT AAF GERMANY PERIOD OF RECORD: OCT 80 - SEP 89
LST TO UTC: - 1 MONTH: ALL

HOURS LST	MEAN	STANDARD DEVIATION	TOTAL OBS	MEAN NUMBER OF HOURS WITH TEMPERATURES DEG F						TOTAL HOURS
				LE 32	GE 50	GE 67	GE 73	GE 80		
00-02	.0	.000	0	0	0	0	0	0	0	0
03-05	.0	.000	0	0	0	0	0	0	0	0
06-08	42.2	12.327	6111	1357	1975	11	0	0	6111	
09-11	44.6	13.219	6685	1269	2751	158	2	0	6685	
12-14	46.8	12.883	6665	949	3073	282	8	0	6665	
15-17	47.0	12.768	6476	891	3015	247	13	0	6476	
18-20	45.	12.739	5589	892	2424	134	9	0	5589	
21-23	43.1	12.270	2768	536	973	16	0	0	2768	
ALL HOURS	45.1	12.879	34294	5894	14211	848	32	0	34294	

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

DEW POINT TEMPERATURE SUMMARY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106530 STATION NAME: GIEBELSTADT AAF GERMANY PERIOD OF RECORD: OCT 80 - SEP 89
LST TO UTC: - 1 MONTH: JAN

HOURS LST	MEAN DEVIATION	STANDARD DEVIATION	TOTAL OBS	MEAN NUMBER OF HOURS WITH TEMPERATURES DEG F					TOTAL HOURS
				LE 27	GE 37	LE 55	GE 65		
00-02	.0	.000	0	0	0	0	0	0	0
03-05	.0	.000	0	0	0	0	0	0	0
06-08	23.6	12.520	470	265	66	470	0	470	
09-11	23.8	12.224	555	317	75	555	0	555	
12-14	25.3	11.496	558	293	90	558	0	558	
15-17	25.5	11.135	550	278	84	550	0	550	
18-20	25.1	11.856	456	220	65	456	0	456	
21-23	23.9	12.142	237	123	31	237	0	237	
ALL HOURS	24.6	11.903	2826	1496	411	2826	0	2826	

HOURS LST	MEAN DEVIATION	STANDARD DEVIATION	TOTAL OBS	MEAN NUMBER OF HOURS WITH TEMPERATURES DEG F					TOTAL HOURS
				LE 27	GE 37	LE 55	GE 65		
00-02	.0	.000	0	0	0	0	0	0	522
03-05	.0	.000	0	0	0	0	0	0	522
06-08	21.8	10.274	442	290	12	442	0	522	
09-11	23.6	9.574	521	317	26	521	0	522	
12-14	25.3	8.855	522	289	43	522	0	522	
15-17	25.5	8.748	521	290	39	521	0	522	
18-20	24.2	9.605	459	264	26	459	0	522	
21-23	22.8	10.554	239	142	6	239	0	522	
ALL HOURS	24.1	9.604	2704	1592	152	2704	0	2704	

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

DEW POINT TEMPERATURE SUMMARY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106530 STATION NAME: GIEBELSTADT AAF GERMANY PERIOD OF RECORD: OCT 80 - SEP 89
LST TO UTC: - 1 MONTH: MAR

HOURS LST	MEAN	STANDARD DEVIATION	TOTAL OBS	MEAN NUMBER OF HOURS WITH TEMPERATURES DEG F	LE 27	GE 37	LE 55	GE 65	TOTAL HOURS
00-02	.0	.000	0		0	0	0	0	0
03-05	.0	.000	0		0	0	0	0	0
06-08	30.9	8.115	523		166	115	523	0	523
09-11	33.1	8.372	615		146	192	615	0	615
12-14	34.0	8.628	612		133	237	612	0	612
15-17	33.7	8.953	605		150	239	604	0	605
18-20	32.2	8.854	525		159	158	525	0	525
21-23	30.5	8.425	279		95	65	279	0	279
ALL HOURS	32.6	8.700	3159		849	1006	3158	0	3159

MONTH: APR

00-02	.0	.000	0		0	0	0	0	563
03-05	.0	.000	0		0	0	0	0	563
06-08	35.0	7.586	570		105	253	570	0	563
09-11	37.0	7.966	567		68	317	566	0	563
12-14	37.2	8.445	563		74	309	562	0	563
15-17	36.6	8.531	540		92	278	540	0	563
18-20	36.4	8.277	456		71	234	456	0	563
21-23	36.1	7.169	195		27	85	195	0	563
ALL HOURS	36.4	8.165	2891		437	1476	2889	0	2891

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

DEW POINT TEMPERATURE SUMMARY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106530 STATION NAME: GIEBELSTADT AAF GERMANY PERIOD OF RECORD: OCT 80 - SEP 89
LST TO UTC: - 1 MONTH: MAY

HOURS LST	MEAN	STANDARD DEVIATION	TOTAL OBS	MEAN NUMBER OF HOURS WITH TEMPERATURES DEG F				TOTAL HOURS
				LE 27	GE 37	LE 55	GE 65	
00-02	.0	.000	0	0	0	0	0	0
03-0	.0	.000	0	0	0	0	0	0
06-08	44.6	6.756	560	6	485	546	0	560
09-11	46.4	6.905	574	2	530	531	0	574
12-14	46.3	7.212	563	1	508	516	0	563
15-17	45.9	7.296	520	3	458	483	0	520
18-20	45.7	7.153	437	1	381	417	0	437
21-23	44.8	7.016	200	0	173	193	0	200
ALL HOURS	45.7	7.121	2854	13	2535	2686	0	2854

MONTH: JUN

00-02	.0	.000	0	0	0	0	0	577
03-05	.0	.000	0	0	0	0	0	577
06-08	49.6	6.242	575	0	569	475	2	577
09-11	51.4	6.748	586	0	586	433	11	577
12-14	51.4	7.255	577	0	572	425	15	577
15-17	51.2	7.345	557	0	556	410	14	577
18-20	51.1	7.060	510	0	507	380	12	577
21-23	49.2	6.618	235	0	232	193	3	577
ALL HOURS	50.8	7.002	3040	0	3022	2316	57	3040

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

DEW POINT TEMPERATURE SUMMARY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106530 STATION NAME: GIEBELSTADT AAF GERMANY PERIOD OF RECORD: OCT 80 - SEP 89
LST TO UTC: - 1 MONTH: JUL

HOURS LST	MEAN	STANDARD DEVIATION	TOTAL OBS	MEAN	NUMBER OF HOURS WITH TEMPERATURES DEG F	TOTAL HOURS
				LE 27	GE 37 LE 55 GE 65	
00-02	.0	.000	0	0	0 0 0 0	0
03-05	.0	.000	0	0	0 0 0 0	0
06-08	52.8	5.920	562	0	562 390 4	562
09-11	55.0	6.266	567	0	565 326 22	567
12-14	54.5	6.480	573	0	570 350 20	573
15-17	54.0	6.273	552	0	551 347 13	552
18-20	54.1	6.212	485	0	485 321 19	485
21-23	52.6	5.691	257	0	257 192 1	257
ALL HOURS	54.0	6.283	2996	0	2990 1926 79	2996

MONTH: AUG

00-02	.0	.000	0	0	0 0 0 0	587
03-05	.0	.000	0	0	0 0 0 0	587
06-08	52.6	5.797	587	0	583 411 3	587
09-11	54.9	5.421	589	0	589 358 9	587
12-14	54.1	5.579	587	0	587 366 5	587
15-17	53.1	5.499	573	0	573 387 3	587
18-20	53.1	5.513	520	0	520 353 0	587
21-23	52.4	5.413	255	0	255 180 0	587
ALL HOURS	53.5	5.667	3111	0	3107 2055 20	3111

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

DEW POINT TEMPERATURE SUMMARY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106530 STATION NAME: GIEBELSTADT AAF GERMANY PERIOD OF RECORD: OCT 80 - SEP 89
LST TO UTC: - 1 MONTH: SEP

HOURS LST	MEAN	STANDARD DEVIATION	TOTAL OBS	MEAN NUMBER OF HOURS WITH TEMPERATURES DEG F					TOTAL HOURS
				LE 27	GE 37	LE 55	GE 65		
00-02	.0	.000	0	0	0	0	0	0	0
03-05	.0	.000	0	0	0	0	0	0	0
06-08	47.8	6.253	499	1	472	459	0	499	
09-11	50.8	5.795	507	0	504	420	2	507	
12-14	51.1	6.326	508	0	501	419	6	508	
15-17	50.7	6.628	505	0	489	414	5	505	
18-20	50.0	6.556	465	0	455	388	2	465	
21-23	47.9	6.256	169	0	161	151	0	169	
ALL HOURS	49.9	6.471	2653	1	2582	2251	15	2653	

MONTH: OCT

00-02	.0	.000	0	0	0	0	0	565
03-05	.0	.000	0	0	0	0	0	565
06-08	40.5	7.379	476	23	344	475	0	565
09-11	43.3	6.711	567	9	482	559	0	565
12-14	44.8	6.721	565	2	503	548	0	565
15-17	44.9	6.769	556	0	492	535	0	565
18-20	43.6	6.602	499	3	426	488	0	565
21-23	42.6	6.621	282	6	229	278	0	565
ALL HOURS	43.4	6.991	2945	43	2476	2883	0	2945

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

DEW POINT TEMPERATURE SUMMARY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106530 STATION NAME: GIEBELSTADT AAF GERMANY PERIOD OF RECORD: OCT 80 - SEP 89
LST TO UTC: - 1 MONTH: NOV

HOURS LST	MEAN	STANDARD DEVIATION	TOTAL OBS	MEAN	NUMBER OF HOURS WITH TEMPERATURES DEG F	TOTAL HOURS
				LE 27	GE 37 LE 55 GE 65	
00-02	.0	.000	0	0	0 0 0 0	0
03-05	.0	.000	0	0	0 0 0 0	0
06-08	31.1	8.056	407	137	100 407 0	407
09-11	33.0	8.029	495	113	169 495 0	495
12-14	35.0	8.198	491	84	217 491 0	491
15-17	34.8	8.303	483	90	227 483 0	483
18-20	33.4	8.056	439	100	160 439 0	439
21-23	32.5	7.904	244	63	80 244 0	244
ALL HOURS	33.4	8.249	2559	587	953 2559 0	2559

MONTH: DEC

00-02	.0	.000	0	0	0 0 0 0	546
03-05	.0	.000	0	0	0 0 0 0	546
06-08	28.7	8.760	440	165	67 440 0	546
09-11	29.1	8.600	542	198	117 542 0	546
12-14	30.6	8.492	546	167	141 546 0	546
15-17	30.4	8.394	514	160	135 514 0	546
18-20	30.0	8.484	338	114	74 338 0	546
21-23	29.7	8.325	176	60	34 176 0	546
ALL HOURS	29.8	8.588	2556	864	568 2556 0	2556

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

DEW POINT TEMPERATURE SUMMARY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106530 STATION NAME: GIEBELSTADT AAF GERMANY PERIOD OF RECORD: OCT 80 - SEP 89
LST TO UTC: - 1 MONTH: ALL

HOURS LST	MEAN	STANDARD DEVIATION	TOTAL OBS	MEAN NUMBER OF HOURS WITH TEMPERATURES DEG F				TOTAL HOURS
				LE 27	GE 37	LE 55	GE 65	
00-02	.0	.000	0	0	0	0	0	0
03-05	.0	.000	0	0	0	0	0	0
06-08	39.2	13.282	6111	1158	3628	5608	9	6111
09-11	40.3	13.684	6685	1170	4152	5921	44	6685
12-14	41.0	13.113	6665	1043	4278	5915	46	6665
15-17	40.6	13.001	6476	1063	4121	5788	35	6476
18-20	40.4	13.229	5589	932	3491	5020	33	5589
21-23	38.8	13.171	2768	516	1608	2557	4	2768
ALL HOURS	40.2	13.277	34294	5882	21278	30809	171	34294

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE OF RELATIVE HUMIDITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106530 STATION NAME: GIEBELSTADT AAF GERMANY PERIOD OF RECORD: OCT 80 - SEP 89
LST TO UTC: - 1 MONTH: JAN

HOURS LST	RELATIVE HUMIDITY GREATER THAN OR EQUAL TO										MEAN	TOTAL OBS
	10%	20%	30%	40%	50%	60%	70%	80%	90%			
00-02										.0	0	
03-05										.0	0	
06-08	100.0	100.0	100.0	99.1	98.9	91.7	74.7	44.9	21.9	78.2	470	
09-11	100.0	100.0	100.0	99.1	98.0	91.2	70.8	38.0	16.8	76.3	555	
12-14	100.0	100.0	100.0	99.1	96.8	87.6	65.1	29.0	9.7	73.2	558	
15-17	100.0	100.0	100.0	99.3	96.4	85.1	60.4	30.9	10.2	72.6	550	
18-20	100.0	100.0	100.0	99.6	96.1	88.4	65.1	39.3	15.4	75.2	456	
21-23	100.0	100.0	100.0	100.0	97.5	87.3	65.8	38.4	11.4	74.8	237	
ALL HOURS	100.0	100.0	100.0	99.3	97.2	88.6	66.9	36.2	14.3	74.8	2826	

MONTH: FEB

00-02										.0	0
03-05										.0	0
06-08	100.0	100.0	100.0	100.0	99.1	94.6	79.4	47.7	20.8	78.9	442
09-11	100.0	100.0	100.0	100.0	98.1	91.4	72.2	39.0	18.0	76.6	521
12-14	100.0	100.0	100.0	97.7	93.3	78.2	55.6	28.4	11.7	71.0	522
15-17	100.0	100.0	100.0	96.5	87.5	69.1	47.0	26.7	7.7	67.7	521
18-20	100.0	100.0	100.0	97.8	89.3	78.6	52.7	26.8	10.2	70.2	459
21-23	100.0	100.0	100.0	97.9	91.2	79.9	52.3	25.1	8.4	70.2	239
ALL HOURS	100.0	100.0	100.0	98.3	93.2	81.9	60.2	32.7	13.1	70.2	2704

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE OF RELATIVE HUMIDITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106530 STATION NAME: GIEBELSTADT AAF GERMANY PERIOD OF RECORD: OCT 80 - SEP 89
LST TO UTC: - 1 MONTH: MAR

HOURS LST	RELATIVE HUMIDITY GREATER THAN OR EQUAL TO										TOTAL OBS
	10%	20%	30%	40%	50%	60%	70%	80%	90%	MEAN	
00-02										.0	0
03-05										.0	0
06-08	100.0	100.0	100.0	100.0	99.4	969	83.4	61.4	36.1	83.0	523
09-11	100.0	100.0	100.0	99.7	97.7	90.6	75.3	48.1	20.7	78.0	615
12-14	100.0	100.0	99.7	96.6	89.5	71.6	49.3	30.1	10.1	69.0	612
15-17	100.0	100.0	98.7	93.2	82.0	62.8	43.8	25.3	8.4	65.9	605
18-20	100.0	100.0	98.9	95.8	90.7	75.4	53.9	32.0	11.6	70.5	525
21-23	100.0	100.0	100.0	97.8	93.9	86.0	63.8	39.4	15.8	74.4	279
ALL HOURS	100.0	100.0	99.5	97.1	91.9	79.7	61.0	39.0	16.9	74.4	3159

MONTH: APR

00-02										.0	0
03-05										.0	0
06-08	100.0	100.0	100.0	100.0	95.3	85.6	69.1	51.2	26.3	77.3	570
09-11	100.0	100.0	99.8	93.7	80.6	65.6	46.6	27.2	11.1	67.0	567
12-14	100.0	100.0	96.6	82.6	64.3	43.7	26.8	15.8	5.7	58.1	563
15-17	100.0	100.0	92.0	75.2	56.1	36.5	25.7	14.1	4.3	54.7	540
18-20	100.0	100.0	95.4	85.3	71.9	51.5	34.2	20.2	6.6	60.8	456
21-23	100.0	100.0	100.0	95.4	85.6	68.7	49.2	28.2	9.7	67.9	195
ALL HOURS	100.0	100.0	97.1	88.1	74.7	57.8	41.5	26.2	11.0	67.9	2891

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE OF RELATIVE HUMIDITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106530 STATION NAME: GIEBELSTADT AAF GERMANY
LST TO UTC: - 1 PERIOD OF RECORD: OCT 80 - SEP 89
MONTH: MAY

HOURS LST	RELATIVE HUMIDITY GREATER THAN OR EQUAL TO										
	10%	20%	30%	40%	50%	60%	70%	80%	90%	MEAN	TOTAL OBS
00-02										.0	0
03-05										.0	0
06-08	100.0	100.0	100.0	100.0	99.6	95.2	85.2	59.3	22.0	80.9	560
09-11	100.0	100.0	100.0	99.5	94.1	76.7	50.3	27.9	8.5	70.4	574
12-14	100.0	100.0	99.6	94.7	78.5	52.9	30.2	15.8	5.5	62.3	563
15-17	100.0	100.0	98.1	90.6	67.1	46.3	25.4	15.4	4.4	59.5	520
18-20	100.0	100.0	99.5	94.7	82.6	60.9	36.6	19.0	6.4	64.8	437
21-23	100.0	100.0	100.0	100.0	94.5	79.0	53.0	30.0	10.0	71.2	200
ALL HOURS	100.0	100.0	99.5	96.3	85.5	67.8	46.7	28.2	9.6	71.2	2854

MONTH: JUN

00-02										.0	0
03-05										.0	0
06-08	100.0	100.0	100.0	100.0	100.0	98.6	86.3	54.1	14.6	80.4	575
09-11	100.0	100.0	100.0	99.5	96.1	79.5	49.7	20.3	2.9	69.4	586
12-14	100.0	100.0	99.7	95.3	82.1	52.7	27.0	10.7	1.0	61.7	577
15-17	100.0	100.0	99.1	92.3	72.5	48.1	24.1	11.0	1.8	59.7	557
18-20	100.0	100.0	99.8	97.1	83.7	66.1	39.6	19.4	3.7	65.6	510
21-23	100.0	100.0	100.0	100.0	97.0	83.8	61.3	29.8	6.0	72.5	235
ALL HOURS	100.0	100.0	99.7	97.1	87.9	70.4	46.8	23.8	4.9	72.5	3040

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE OF RELATIVE HUMIDITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106530 STATION NAME: GIEBELSTADT AAF GERMANY PERIOD OF RECORD: OCT 80 - SEP 89
LST TO UTC: - 1 MONTH: JUL

HOURS LST	RELATIVE HUMIDITY GREATER THAN OR EQUAL TO										TOTAL OBS
	10%	20%	30%	40%	50%	60%	70%	80%	90%	MEAN	
00-02										.0	0
03-05										.0	0
06-08	100.0	100.0	100.0	100.0	99.8	96.6	83.3	51.6	13.5	79.8	562
09-11	100.0	100.0	100.0	98.8	92.8	73.0	42.0	15.7	2.5	67.3	567
12-14	100.0	100.0	99.5	92.0	68.9	39.6	18.3	7.2	2.3	57.4	573
15-17	100.0	100.0	98.4	84.4	58.2	35.1	14.7	5.6	1.8	54.6	552
18-20	100.0	100.0	99.8	93.8	78.1	53.2	25.2	9.5	1.2	61.0	485
21-23	100.0	100.0	100.0	99.6	96.1	78.6	47.9	20.2	3.9	69.6	257
ALL HOURS	100.0	100.0	99.6	94.3	81.1	61.3	38.0	18.3	4.3	69.6	2996

MONTH: AUG

00-02										.0	0
03-05										.0	0
06-08	100.0	100.0	100.0	100.0	99.8	98.6	87.9	66.8	22.8	83.0	587
09-11	100.0	100.0	100.0	99.8	96.3	79.6	46.2	22.6	6.1	69.9	589
12-14	100.0	100.0	99.8	94.4	70.0	37.8	16.7	8.2	2.6	57.7	587
15-17	100.0	100.0	99.3	88.7	55.3	30.4	12.0	4.5	1.7	53.7	573
18-20	100.0	100.0	100.0	96.7	79.0	53.3	26.0	9.2	2.7	61.3	520
21-23	100.0	100.0	100.0	100.0	95.7	82.0	52.9	22.4	3.5	70.6	255
ALL HOURS	100.0	100.0	99.8	96.3	81.5	62.0	39.4	22.6	7.0	70.6	3111

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE OF RELATIVE HUMIDITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106530 STATION NAME: GIEBELSTADT AAF GERMANY PERIOD OF RECORD: OCT 80 - SEP 89
LST TO UTC: - 1 MONTH: SEP

HOURS LST	RELATIVE HUMIDITY GREATER THAN OR EQUAL TO										TOTAL OBS
	10%	20%	30%	40%	50%	60%	70%	80%	90%	MEAN	
00-02										.0	0
03-05										.0	0
06-08	100.0	100.0	100.0	100.0	100.0	98.8	94.8	69.7	22.8	83.7	499
09-11	100.0	100.0	100.0	99.8	98.8	89.7	67.7	36.5	7.3	74.7	507
12-14	100.0	100.0	99.8	98.4	84.1	58.1	27.4	9.8	1.0	62.8	508
15-17	100.0	100.0	99.6	96.0	74.3	48.1	22.2	9.1	1.8	60.1	505
18-20	100.0	100.0	100.0	98.5	92.9	73.8	48.8	21.1	3.7	68.6	465
21-23	100.0	100.0	100.0	100.0	100.0	92.9	75.1	39.6	3.0	75.5	169
ALL HOURS	100.0	100.0	99.9	98.6	90.6	74.9	53.6	29.9	7.0	75.5	2653

MONTH: OCT

00-02										.0	0
03-05										.0	0
06-08	100.0	100.0	100.0	100.0	100.0	100.0	96.0	67.4	32.8	84.8	476
09-11	100.0	100.0	100.0	100.0	99.5	97.2	86.4	51.9	15.7	79.8	567
12-14	100.0	100.0	99.8	99.3	95.6	79.5	56.5	26.5	5.5	70.7	565
15-17	100.0	100.0	100.0	99.5	94.8	77.0	50.2	21.9	1.6	69.1	556
18-20	100.0	100.0	100.0	100.0	99.6	93.6	75.6	39.7	5.2	75.6	499
21-23	100.0	100.0	100.0	100.0	100.0	97.5	89.4	45.0	12.1	78.9	282
ALL HOURS	100.0	100.0	100.0	99.8	98.0	89.8	73.8	41.2	11.7	78.9	2945

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE OF RELATIVE HUMIDITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106530 STATION NAME: GIEBELSTADT AAF GERMANY PERIOD OF RECORD: OCT 80 - SEP 89
LST TO UTC: - 1 MONTH: NOV

HOURS LST	RELATIVE HUMIDITY GREATER THAN OR EQUAL TO										TOTAL OBS
	10%	20%	30%	40%	50%	60%	70%	80%	90%	MEAN	
00-02										.0	0
03-05										.0	0
06-08	100.0	100.0	100.0	100.0	99.5	95.6	79.6	49.4	24.1	79.6	407
09-11	100.0	100.0	100.0	100.0	98.4	94.3	80.6	42.4	18.6	78.3	495
12-14	100.0	100.0	100.0	99.6	96.5	89.0	61.7	31.2	10.4	73.1	491
15-17	100.0	100.0	100.0	98.8	95.7	90.3	63.4	26.3	8.1	72.3	483
18-20	100.0	100.0	100.0	99.8	98.6	94.3	76.5	40.3	14.1	76.8	439
21-23	100.0	100.0	100.0	100.0	99.6	95.1	78.3	43.9	16.4	78.1	244
ALL HOURS	100.0	100.0	100.0	99.6	97.9	92.8	72.6	38.1	14.9	78.1	2559

MONTH: DEC

00-02										.0	0
03-05										.0	0
06-08	100.0	100.0	100.0	100.0	99.3	93.4	80.9	46.8	18.9	78.5	440
09-11	100.0	100.0	100.0	100.0	98.5	91.1	78.2	43.0	14.9	76.8	542
12-14	100.0	100.0	100.0	100.0	97.6	88.8	70.3	38.5	10.1	74.6	546
15-17	100.0	100.0	100.0	100.0	96.3	90.3	66.7	36.8	9.7	74.1	514
18-20	100.0	100.0	100.0	100.0	98.8	90.5	72.8	46.7	16.9	77.2	338
21-23	100.0	100.0	100.0	100.0	96.6	92.0	71.6	49.4	14.8	77.2	176
ALL HOURS	100.0	100.0	100.0	100.0	97.9	90.8	73.5	42.4	13.8	77.2	2556

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE OF RELATIVE HUMIDITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106530 STATION NAME: GIEBELSTADT AAF GERMANY PERIOD OF RECORD: OCT 80 - SEP 89
LST TO UTC: - 1 MONTH: ALL

HOURS LST	RELATIVE HUMIDITY GREATER THAN OR EQUAL TO										TOTAL OBS
	10%	20%	30%	40%	50%	60%	70%	80%	90%	MEAN	
00-02										.0	0
03-05										.0	0
06-08	100.0	100.0	100.0	99.9	99.2	95.5	83.4	56.2	22.9	80.7	6111
09-11	100.0	100.0	100.0	99.1	95.7	84.8	63.5	34.2	11.8	73.6	6685
12-14	100.0	100.0	99.5	95.7	84.5	64.5	41.7	20.8	6.2	65.8	6665
15-17	100.0	100.0	98.7	92.8	77.7	59.5	37.6	18.8	5.1	63.6	6476
18-20	100.0	100.0	99.4	96.5	88.1	72.7	49.8	26.3	7.8	68.7	5589
21-23	100.0	100.0	100.0	99.2	95.7	85.4	63.5	34.1	9.7	73.4	2768
ALL HOURS	100.0	100.0	99.6	97.0	89.5	76.0	55.7	31.3	10.6	70.6	34294

PPPPPPPP	AAAAAA	RRRRRRR	TTTTTTTTT	FFFFFFF
PPPPPPPPP	AAAAAAA	RRRRRRRR	TTTTTTTTT	FFFFFFF
PP PP	AA AA	RR RR	TT	FF
PP PP	AA AA	RR RR	TT	FF
PPPPPPPP	AA AA	RRRRRRR	TT	FFFFF
PPPPPPPP	AAAAAAA	RRRRRRR	TT	FFFFF
PP	AAAAAAA	RR RR	TT	FF
PP	AA AA	RR RR	TT	FC
PP	AA AA	RR RR	TT	FF
PP	AA AA	RR RR	TT	FF

PART F

PRESSURE SUMMARIES

ALL PRESSURE DATA IN PART F IS TAKEN FROM HOURLY OBSERVATIONS. IT IS SUMMARIZED:

- BY EIGHT 3-HOUR STANDARD SYNOPTIC REPORTING TIME PERIODS FOR EACH MONTH (ALL YEARS COMBINED).
- BY MONTH (ALL YEARS AND ALL HOURS COMBINED).
- BY YEAR (ALL YEARS AND ALL HOURS COMBINED).

SEA LEVEL PRESSURE.

IN MILLIBARS, TABLES GIVE MEANS, STANDARD DEVIATIONS, AND TOTAL OBSERVATION COUNTS. THIS SUMMARY IS NOT AVAILABLE FOR METAR REPORTING SITES.

ALTIMETER SETTING.

IN INCHES OF MERCURY (HG), TABLES GIVE MEANS, STANDARD DEVIATIONS, AND TOTAL OBSERVATION COUNTS.

STATION PRESSURE.

IN INCHES OF MERCURY (HG), TABLES GIVE MEANS, STANDARD DEVIATIONS AND TOTAL OBSERVATION COUNTS.

PRESSURE CONVERSIONS ARE: 1 MILLIBAR = 0.02953 INCHES OF MERCURY (HG).

OPERATING LOCATION "A"
USAFTAC, ASHEVILLE NC

ALTIMETER SETTING IN INCHES
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106530 STATION NAME: GIEBELSTADT AAF GERMANY PERIOD OF RECORD: OCT 80 - SEP 89
LST TO UTC: - 1

HOURS (LST)	STATS	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
0100	MEAN	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
	SD	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
	TOT OBS	0	0	0	0	0	0	0	0	0	0	0	0	0
0400	MEAN	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
	SD	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
	TOT OBS	0	0	0	0	0	0	0	0	0	0	0	0	0
0700	MEAN	30.05	30.06	29.95	29.95	29.94	30.02	30.07	30.04	30.08	30.05	30.05	30.01	30.02
	SD	.369	.344	.284	.247	.223	.156	.123	.142	.196	.279	.282	.397	.268
	TOT OBS	177	163	196	191	190	195	188	198	170	177	149	172	2166
1000	MEAN	30.06	30.08	29.97	29.97	29.96	30.03	30.08	30.04	30.09	30.05	30.09	30.04	30.04
	SD	.372	.344	.295	.250	.224	.156	.125	.142	.202	.288	.281	.399	.273
	TOT OBS	183	162	205	189	191	195	189	196	170	185	161	182	2208
1300	MEAN	30.05	30.07	29.96	29.95	29.95	30.02	30.06	30.03	30.07	30.03	30.07	30.03	30.02
	SD	.373	.343	.298	.244	.217	.158	.120	.139	.196	.284	.278	.400	.271
	TOT OBS	184	162	204	188	187	191	191	196	170	186	161	181	2201
1600	MEAN	30.04	30.05	29.94	29.93	29.92	30.00	30.05	30.02	30.05	30.01	30.06	30.03	30.01
	SD	.372	.337	.295	.240	.209	.158	.119	.138	.196	.286	.277	.394	.269
	TOT OBS	181	165	202	188	171	186	189	193	171	186	159	176	2167
1900	MEAN	30.04	30.07	29.95	29.92	29.92	30.00	30.04	30.01	30.06	30.04	30.07	30.05	30.01
	SD	.370	.340	.303	.238	.208	.156	.111	.137	.191	.280	.285	.371	.263
	TOT OBS	147	143	175	152	142	169	160	174	157	165	140	112	1836
2200	MEAN	30.01	30.02	29.96	29.98	29.93	30.02	30.06	30.04	30.10	30.06	30.06	30.09	30.03
	SD	.371	.322	.296	.263	.200	.159	.110	.125	.190	.252	.315	.339	.262
	TOT OBS	96	92	118	70	82	92	111	108	59	121	101	74	1124
ALL HOURS	MEAN	30.04	30.06	29.95	29.95	29.94	30.02	30.06	30.03	30.07	30.04	30.07	30.04	30.02
	SD	.372	.340	.295	.246	.216	.157	.120	.139	.196	.280	.285	.390	.269
	TOT OBS	968	887	1100	978	963	1028	1028	1065	897	1020	871	897	11702

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

STATION PRESSURE IN INCHES
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106530 STATION NAME: GIEBELSTADT AAF GERMANY PERIOD OF RECORD: OCT 80 - SEP 89
LST TO UTC: - 1

HOURS (LST)	STATS	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
0100	MEAN	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
	SD	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
	TOT OBS	0	0	0	0	0	0	0	0	0	0	0	0	0
0400	MEAN	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
	SD	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
	TOT OBS	0	0	0	0	0	0	0	0	0	0	0	0	0
0700	MEAN	28.99	28.99	28.92	28.91	28.89	28.97	29.02	28.99	29.03	29.00	29.00	28.96	28.97
	SD	.364	.332	.272	.241	.214	.153	.120	.139	.192	.274	.284	.381	.261
	TOT OBS	179	163	184	194	190	193	188	197	178	179	151	170	2166
1000	MEAN	29.01	29.03	28.92	28.92	28.91	28.98	29.03	28.99	29.04	29.00	29.03	28.99	28.99
	SD	.361	.334	.287	.243	.218	.152	.122	.139	.196	.280	.273	.388	.265
	TOT OBS	183	162	205	189	191	195	189	196	170	185	161	182	2208
1300	MEAN	29.00	29.02	28.91	28.90	28.90	28.97	29.01	28.98	29.02	28.98	29.02	28.98	28.97
	SD	.363	.333	.289	.237	.211	.154	.117	.135	.191	.276	.270	.389	.263
	TOT OBS	184	162	204	188	187	191	191	196	170	186	161	181	2201
1600	MEAN	28.99	29.00	28.89	28.88	28.87	28.95	29.00	28.97	29.00	28.96	29.01	28.98	28.96
	SD	.362	.328	.286	.233	.203	.154	.117	.134	.190	.278	.269	.383	.262
	TOT OBS	181	165	202	188	171	186	189	193	171	186	159	176	2167
1900	MEAN	28.99	29.02	28.91	28.87	28.87	28.95	28.99	28.96	29.01	28.99	29.02	29.00	28.96
	SD	.360	.331	.294	.232	.202	.151	.108	.134	.185	.272	.277	.361	.256
	TOT OBS	147	143	175	152	142	169	160	174	157	165	140	112	1836
2200	MEAN	28.96	28.97	28.91	28.93	28.88	28.97	29.01	28.99	29.04	29.01	29.01	29.04	28.98
	SD	.360	.313	.288	.256	.194	.154	.107	.122	.185	.244	.306	.330	.255
	TOT OBS	96	92	118	70	82	92	111	108	59	121	101	74	1124
ALL HOURS	MEAN	28.99	29.01	28.91	28.90	28.89	28.97	29.01	28.98	29.02	28.99	29.01	28.99	28.97
	SD	.362	.330	.286	.240	.209	.153	.117	.135	.191	.273	.279	.379	.261
	TOT OBS	970	887	1088	981	963	1026	1028	1064	905	1022	873	895	11702

PPPPPPPP	AAAAAA	RRRRRRR	TTTTTTTTT	GGGGGG
PPPPPPPPP	AAAAAAA	RRRRRRRR	TTTTTTTTT	GGGGGGGG
PP PP	AA AA	RR RR	TT	GG GG
PP PP	AA AA	RR RR	TT	GG
PPPPPPPPP	AA AA	RRRRRRRR	TT	GG
PPPPPPPP	AAAAAAA	RRRRRRR	TT	GG GGGG
PP	AAAAAAA	RR RR	TT	GG GGGGG
PP	AA AA	RR RR	TT	GG GG
PP	AA AA	RR RR	TT	GGGGGGGG
PP	AA AA	RR RR	TT	GGGGGG

PART G

CROSSWIND SUMMARY

CROSSWIND SUMMARIES.

THESE TABLES ARE CREATED FROM HOURLY AND SPECIAL OBSERVATIONS (INCLUDING PEAK GUST REMARKS). THE TABLES ARE SUMMARIZED AS FOLLOWS:

- BY EIGHT 3-HOUR STANDARD TIME PERIODS FOR EACH MONTH (ALL YEARS COMBINED).
- BY MONTH (ALL YEARS AND ALL HOURS COMBINED).
- BY MONTH (ALL YEARS AND THE HOURS 0600-2000 LST COMBINED).
- BY YEAR (ALL YEARS AND ALL HOURS COMBINED).
- BY YEAR (ALL YEARS AND THE HOURS 0600-2000 LST COMBINED).

THE TABLES GIVE PERCENT OCCURRENCE FREQUENCY (POF) OF THE "CROSS-RUNWAY WIND COMPONENT" FOR THE WIND SPEED CLASSES SPECIFIED IN THE TABLE HEADINGS. THERE ARE TWO COMPONENT CATEGORIES:

THE FIRST COMPONENT IS COMPUTED FROM THE REPORTED WIND DIRECTION AND WIND SPEED FROM HOURLY RECORD OR RECORD-SPECIAL OBSERVATIONS.

THE SECOND COMPONENT IS COMPUTED FROM THE HIGHEST REPORTED WIND SPEED AND DIRECTION FROM ALL OBSERVATIONS INCLUDING REMARKS, GUSTS, AND SPECIAL OBSERVATIONS.

OBSERVATION COUNTS INCLUDE CALM WINDS.

VARIABLE WINDS ARE CONSIDERED A DIRECT CROSSWIND IF THE SPEED EQUALS OR EXCEEDS THE SPECIFIED THRESHOLD WIND SPEED VALUE(S).

A TOTAL OBSERVATION COUNT IS INCLUDED.

OPERATING LOCATION "AI"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CROSSWINDS
FROM HOURLY OBSERVATIONS

MAGNETIC RUNWAY HEADING: 078-258

STATION NUMBER: 106530

STATION NAME: GIEBELSTADT AAF GERMANY
LST TO UTC: - 1

PERIOD OF RECORD: OCT 80 - SEP 89
MONTH: JAN

CATEGORY A: ANY CEILING OR VISIBILITY (HOURLY OBS ONLY)

CATEGORY B: HIGHEST WINDS REPORTED WITHIN THE HOUR (HOURLIES + SPECIALS)

TIME (LST)	0000 - 0200				0300 - 0500				0600 - 0800				0900 - 1100			
SPEED (KTS)	GE20	GE25	GE30	OBS												
CATEGORY A				0				0				477				565
CATEGORY B				0				0	.4			537		.2		653

TIME (LST)	1200 - 1400				1500 - 1700				1800 - 2000				2100 - 2300			
SPEED (KTS)	GE20	GE25	GE30	OBS												
CATEGORY A				569				557				462				239
CATEGORY B	.5	.2		629	.5			637				506				257

TIME (LST)	0600 - 2000				ALL		HOURS	
SPEED KTS	GE20	GE25	GE30	OBS	GE20	GE25	GE30	OBS
CATEGORY A				2630				2869
CATEGORY B	.3	.0		2962	.3	.0		3219

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CROSSWINDS
FROM HOURLY OBSERVATIONS

MAGNETIC RUNWAY HEADING: 078-258

STATION NUMBER: 106530 STATION NAME: GIEBELSTADT AAF GERMANY
LST TO UTC: - 1 PERIOD OF RECORD: OCT 80 - SEP 89
MONTH: FEB

CATEGORY A: ANY CEILING OR VISIBILITY (HOURLY OBS ONLY)

CATEGORY B: HIGHEST WINDS REPORTED WITHIN THE HOUR (HOURLIES + SPECIALS)

TIME (LST)	0000 - 0200				0300 - 0500				0600 - 0800				0900 - 1100			
SPEED (KTS)	GE20	GE25	GE30	OBS												

CATEGORY A				0				0				442				524
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CATEGORY B				0				0	.6			527	.2			629
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TIME (LST)	1200 - 1400				1500 - 1700				1800 - 2000				2100 - 2300			
SPEED (KTS)	GE20	GE25	GE30	OBS												

CATEGORY A				523				521				459				239
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CATEGORY B	.3		605	.7		591	.6		506			506				251
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TIME (LST)	0600 - 2000								ALL HOURS			
SPEED KTS	GE20	GE25	GE30	OBS	GE20	GE25	GE30	OBS	GE20	GE25	GE30	OBS

CATEGORY A					2469							2708				
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CATEGORY B				.5		2858		.4				3109				
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OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CROSSWINDS
FROM HOURLY OBSERVATIONS

MAGNETIC RUNWAY HEADING: 078-258

STATION NUMBER: 106530 STATION NAME: GIEBELSTADT AAF GERMANY
LST TO UTC: - 1 PERIOD OF RECORD: OCT 80 - SEP 89
MONTH: MAR

CATEGORY A: ANY CEILING OR VISIBILITY (HOURLY OBS ONLY)

CATEGORY B: HIGHEST WINDS REPORTED WITHIN THE HOUR (HOURLIES + SPECIALS)

TIME (LST)	0000 - 0200				0300 - 0500				0600 - 0800				0900 - 1100			
SPEED (KTS)	GE20	GE25	GE30	OBS												
CATEGORY A				0				0				525				615
CATEGORY B				0				0				607	.1			728

TIME (LST)	1200 - 1400				1500 - 1700				1800 - 2000				2100 - 2300			
SPEED (KTS)	GE20	GE25	GE30	OBS												
CATEGORY A	.2			612				605				525				279
CATEGORY B	.6			687	.6			669	.9			576				299

TIME (LST)	0600 - 2000								ALL	HOURS		
SPEED KTS	GE20	GE25	GE30	OBS	GE20	GE25	GE30	OBS	GE20	GE25	GE30	OBS
CATEGORY A	.0			2882				.0				3161
CATEGORY B	.4			3267				.4				3566

OPERATING LOCATION "A"
USAFTAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CROSSWINDS
FROM HOURLY OBSERVATIONS

MAGNETIC RUNWAY HEADING: 078-258

STATION NUMBER: 106530 STATION NAME: GIEBELSTADT AAF GERMANY
LST TO UTC: - 1 PERIOD OF RECORD: OCT 80 - SEP 89
MONTH: APR

CATEGORY A: ANY CEILING OR VISIBILITY (HOURLY OBS ONLY)

CATEGORY B: HIGHEST WINDS REPORTED WITHIN THE HOUR (HOURLIES + SPECIALS)

TIME (LST)	0000 - 0200				0300 - 0500				0600 - 0800				0900 - 1100			
SPEED (KTS)	GE20	GE25	GE30	OBS												
CATEGORY A				0				0				570				567
CATEGORY B				0				0				636	.2			621
TIME (LST)	1200 - 1400				1500 - 1700				1800 - 2000				2100 - 2300			
SPEED (KTS)	GE20	GE25	GE30	OBS												
CATEGORY A				563	.2			540				456				195
CATEGORY B	.3		602	.5		575	.6	.2		500	.5					197

TIME (LST)	0600 - 2000				ALL		HOURS									
	GE20	GE25	GE30	OBS	GE20	GE25	GE30	OBS								
CATEGORY A				.0		2696		.0		2891						
CATEGORY B				.3 .0		2934		.3 .0		3131						

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CROSSWINDS
FROM HOURLY OBSERVATIONS

MAGNETIC RUNWAY HEADING: 078-258

STATION NUMBER: 106530

STATION NAME: GIEBELSTADT AAF GERMANY
LST TO UTC: - 1

PERIOD OF RECORD: OCT 80 - SEP 89
MONTH: MAY

CATEGORY A: ANY CEILING OR VISIBILITY (HOURLY OBS ONLY)

CATEGORY B: HIGHEST WINDS REPORTED WITHIN THE HOUR (HOURLIES + SPECIALS)

TIME (LST)	0000 - 0200				0300 - 0500				0600 - 0800				0900 - 1100			
SPEED (KTS)	GE20	GE25	GE30	OBS												
CATEGORY A				0				0				561				574
CATEGORY B				0				0				611				613

TIME (LST)	1200 - 1400				1500 - 1700				1800 - 2000				2100 - 2300			
SPEED (KTS)	GE20	GE25	GE30	OBS												
CATEGORY A				563	.2			520				437				200
CATEGORY B				597	.4	.2		550				463				210

TIME (LST)	0600 - 2000				ALL HOURS										
SPEED KTS	GE20	GE25	GE30	OBS	GE20	GE25	GE30	OBS							
CATEGORY A				.0			2655		.0		2855				
CATEGORY B				.1	.0		2834		.1	.0	3044				

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CROSSWINDS
FROM HOURLY OBSERVATIONS

MAGNETIC RUNWAY HEADING: 078-258

STATION NUMBER: 106530 STATION NAME: GIEBELSTADT AAF GERMANY
LST TO UTC: - 1 PERIOD OF RECORD: OCT 80 - SEP 89
MONTH: JUN

CATEGORY A: ANY CEILING OR VISIBILITY (HOURLY OBS ONLY)

CATEGORY B: HIGHEST WINDS REPORTED WITHIN THE HOUR (HOURLIES + SPECIALS)

TIME (LST)	0000 - 0200				0300 - 0500				0600 - 0800				0900 - 1100			
SPEED (KTS)	GE20	GE25	GE30	OBS												

CATEGORY A				0				0				576				586
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CATEGORY B				0				0				656	.2			647
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TIME (LST)	1200 - 1400				1500 - 1700				1800 - 2000				2100 - 2300			
SPEED (KTS)	GE20	GE25	GE30	OBS												

CATEGORY A				577				557				510				235
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CATEGCRY B	.2			616				606	.2			541				250
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TIME (LST)	0600 - 2000								ALL	HOURS		
SPEED KTS	GE20	GE25	GE30	OBS	GE20	GE25	GE30	OBS	GE20	GE25	GE30	OBS

CATEGORY A				2806								3041				
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CATEGORY B		.1		3066				.1				3316				
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OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CROSSWINDS
FROM HOURLY OBSERVATIONS

MAGNETIC RUNWAY HEADING: 078-258

STATION NUMBER: 106530 STATION NAME: GIEBELSTADT AAF GERMANY
LST TO UTC: - 1

PERIOD OF RECORD: OCT 80 - SEP 89
MONTH: JUL

CATEGORY A: ANY CEILING OR VISIBILITY (HOURLY OBS ONLY)

CATEGORY B: HIGHEST WINDS REPORTED WITHIN THE HOUR (HOURLIES + SPECIALS)

TIME (LST)	0000 - 0200				0300 - 0500				0600- 0800				0900 - 1100			
SPEED (KTS)	GE20	GE25	GE30	OBS	GE20	GE25	GE30	OBS	GE20	GE25	GE30	OBS	GE20	GE25	GE30	OBS
CATEGORY A				0				0				565				567
CATEGORY B				0				0				625				601
TIME (LST)	1200 - 1400				1500 - 1700				1800 - 2000				2100 - 2300			
SPEED (KTS)	GE20	GE25	GE30	OBS	GE20	GE25	GE30	OBS	GE20	GE25	GE30	OBS	GE20	GE25	GE30	OBS
CATEGORY A				573				553				485				257
CATEGORY B				611	.2			578				516				263
TIME (LST)	0600 - 2000								ALL		HOURS					
SPEED KTS		GE20	GE25	GE30				OBS			GE20	GE25	GE30		OBS	
CATEGORY A								2743							3000	
CATEGORY B					.0			2931				.0			3194	

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CROSSWINDS
FROM HOURLY OBSERVATIONS

MAGNETIC RUNWAY HEADING: 078-258

STATION NUMBER: 106530 STATION NAME: GIEBELSTADT AAF GERMANY
LST TO UTC: - 1 PERIOD OF RECORD: OCT 80 - SEP 89
MCNTH: AUG

CATEGORY A: ANY CEILING OR VISIBILITY (HOURLY OBS ONLY)

CATEGORY B: HIGHEST WINDS REPORTED WITHIN THE HOUR (HOURLIES + SPECIALS)

TIME (LST)	0000 - 0200				0300 - 0500				0600 - 0800				0900 - 1100			
SPEED (KTS)	GE20	GE25	GE30	OBS												
CATEGORY A				0				0				588				589
CATEGORY B				0				0				661				644

TIME (LST)	1200 - 1400				1500 - 1700				1800 - 2000				2100 - 2300			
SPEED (KTS)	GE20	GE25	GE30	OBS												
CATEGORY A				587				573				520				255
CATEGORY B				622				602				537				265

TIME (LST)	0600 - 2000				ALL HOURS			
SPEED KTS	GE20	GE25	GE30	OBS	GE20	GE25	GE30	OBS
CATEGGRY A				2857				3112
CATEGORY B				3066				5331

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CROSSWINDS
FROM HOURLY OBSERVATIONS

MAGNETIC RUNWAY HEADING: 078-258

STATION NUMBER: 106530 STATION NAME: GIEBELSTADT AAF GERMANY
LST TO UTC: - 1

PERIOD OF RECORD: OCT 80 - SEP 89
MONTH: SEP

.....
CATEGORY A: ANY CEILING OR VISIBILITY (HOURLY OBS ONLY)

.....
CATEGORY B: HIGHEST WINDS REPORTED WITHIN THE HOUR (HOURLIES + SPECIALS)

TIME (LST)	0000 - 0200				0300 - 0500				0600 - 0800				0900 - 1100			
SPEED (KTS)	GE20	GE25	GE30	OBS												
CATEGORY A				0				0				499				507
CATEGORY B				0				0				562				563

.....

TIME (LST)	1200 - 1400				1500 - 1700				1800 - 2000				2100 - 2300			
SPEED (KTS)	GE20	GE25	GE30	OBS												
CATEGORY A	.2			508				505				465				169
CATEGORY B	.2			535				522				485				169

.....

TIME (LST)	0600 - 2000				ALL HOURS			
SPEED KTS	GE20	GE25	GE30	OBS	GE20	GE25	GE30	OBS
CATEGORY A	.0			2484	.0			2653
CATEGORY B	.0			2667	.0			2836

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CROSWINDS
FROM HOURLY OBSERVATIONS

MAGNETIC RUNWAY HEADING: 078-258

STATION NUMBER: 106530 STATION NAME: GIEBELSTADT AAF GERMANY
LST TO UTC: - 1 PERIOD OF RECORD: OCT 80 - SEP 89
MONTH: OCT

CATEGORY A: ANY CEILING OR VISIBILITY (HOURLY OBS ONLY)

CATEGORY B: HIGHEST WINDS REPORTED WITHIN THE HOUR (HOURLIES + SPECIALS)

TIME (LST)	0000 - 0200				0300 - 0500				0600 - 0800				0900 - 1100			
SPEED (KTS)	GE20	GE25	GE30	OBS												
CATEGORY A				0				0	.2			478	.2	.2		567
CATEGORY B				0				0	.2			526	.3	.3	.2	660

TIME (LST)	1200 - 1400				1500 - 1700				1800 - 2000				2100 - 2300			
SPEED (KTS)	GE20	GE25	GE30	OBS												
CATEGORY A	.2			565	.2			555				499				282
CATEGORY B	.2			617	.2			586				530				287

TIME (LST)	0600 - 2000								ALL	HOURS		
SPEED KTS	GE20	GE25	GE30	OBS	GE20	GE25	GE30	OBS	GE20	GE25	GE30	OBS
CATEGORY A	.2	.0		2664		.1	.0		.1	.0		2946
CATEGORY B	.2	.1	.0	2919		.2	.1	.0	.2	.1	.0	3206

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CROSSWINDS
FROM HOURLY OBSERVATIONS

MAGNETIC RUNWAY HEADING: 078-258

STATION NUMBER: 106530 STATION NAME: GIEBELSTADT AAF GERMANY
LST TO UTC: - 1

PERIOD OF RECORD: OCT 80 - SEP 89
MONTH: NOV

CATEGORY A: ANY CEILING OR VISIBILITY (HOURLY OBS ONLY)

CATEGORY B: HIGHEST WINDS REPORTED WITHIN THE HOUR (HOURLIES + SPECIALS)

TIME (LST)	0000 - 0200				0300 - 0500				0600 - 0800				0900 - 1100			
SPEED (KTS)	GE20	GE25	GE30	OBS												

CATEGORY A				0				0				408				495
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CATEGORY B				0				0	.4			462	.2			560
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TIME (LST)	1200 - 1400				1500 - 1700				1800 - 2000				2100 - 2300			
SPEED (KTS)	GE20	GE25	GE30	OBS												

CATEGORY A				493				483				439				244
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CATEGORY B	.2			541				517				469	.4	.4		250
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TIME (LST)	0600 - 2000								ALL	HOURS		
SPEED KTS	GE20	GE25	GE30	OBS	GE20	GE25	GE30	OBS	GE20	GE25	GE30	OBS

CATEGORY A					2318								2562			
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CATEGORY B				.2				2549		.2	.0		2799			
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OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CROSSWINDS
FROM HOURLY OBSERVATIONS

MAGNETIC RUNWAY HEADING: 078-258

STATION NUMBER: 106530 STATION NAME: GIEBELSTADT AAF GERMANY
LST TO UTC: - 1 PERIOD OF RECORD: OCT 80 - SEP 89
MONTH: DEC

CATEGORY A: ANY CEILING OR VISIBILITY (HOURLY OBS ONLY)

CATEGORY B: HIGHEST WINDS REPORTED WITHIN THE HOUR (HOURLIES + SPECIALS)

TIME (LST)	0000 - 0200				0300 - 0500				0600 - 0800				0900 - 1100			
SPEED (KTS)	GE20	GE25	GE30	OBS												
CATEGORY A				0				0				440	.2			542
CATEGORY B				0				0	.2			493	.3			594

TIME (LST)	1200 - 1400				1500 - 1700				1800 - 2000				2100 - 2300			
SPEED (KTS)	GE20	GE25	GE30	OBS												
CATEGORY A				546				514				338				176
CATEGORY B				597				549				364				183

TIME (LST)	0600 - 2000				ALL HOURS			
SPEED KTS	GE20	GE25	GE30	OBS	GE20	GE25	GE30	OBS
CATEGORY A	.0			2380	.0			2556
CATEGORY B	.1			2597	.1			2780

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CROSSWINDS
FROM HOURLY OBSERVATIONS

MAGNETIC RUNWAY HEADING: 078-258

STATION NUMBER: 106530 STATION NAME: GIEBELSTADT AAF GERMANY
LST TO UTC: - 1

PERIOD OF RECORD: OCT 80 - SEP 89
MONTH: ALL

CATEGORY A: ANY CEILING OR VISIBILITY (HOURLY OBS ONLY)

CATEGORY B: HIGHEST WINDS REPORTED WITHIN THE HOUR (HOURLIES + SPECIALS)

TIME (LST)	0000 - 0200				0300 - 0500				0600 - 0800				0900 - 1100			
SPEED (KTS)	GE20	GE25	GE30	OBS	GE20	GE25	GE30	OBS	GE20	GE25	GE30	OBS	GE20	E25	GE30	OBS
CATEGORY A				0				0	.0			6129	.0	.0		6698
CATEGORY B				0				0	.1			6903	.1	.0	.0	7513
TIME (LST)	1200 - 1400				1500 - 1700				1800 - 2000				2100 - 2300			
SPEED (KTS)	GE20	GE25	GE30	OBS	GE20	GE25	GE30	OBS	GE20	GE25	GE30	OBS	GE20	GE25	GE30	OBS
CATEGORY A	.0		6679		.0			6483				5595				2770
CATEGORY B	.2	.0	7259		.3	.0		6982	.2	.0		5993	.1	.0		2881
TIME (LST)	0600 - 2000								ALL HOURS							
SPEED KTS		GE20	GE25	GE30		OBS			GE20	GE25	GE30	OBS				
CATEGORY A		.0	.0		31584				.0	.0		34354				
CATEGORY B		.2	.0	.0	34650				.2	.0	.0	37531				

PPPPPPPP	AAAAAA	RRRRRRR	TTTTTTTTT	HH	HH
PPPPPPPPP	AAAAAAA	RRRRRRRR	TTTTTTTTT	HH	HH
PP PP	AA AA	RR RR	TT	HH	HH
PP PP	AA AA	RR RR	TT	HH	HH
PPPPPPPP	AA AA	RRRRRRRR	TT	HHHHHHHHHH	
PPPPPPPP	AAAAAAAAA	RRRRRRR	TT	HHHHHHHHHH	
PP	AAAAAAAAA	RR RR	TT	HH	HH
PP	AA AA	RR RR	TT	HH	HH
PP	AA AA	RR RR	TT	HH	HH
PP	AA AA	RR RR	TT	HH	HH

PART H

DEGREE DAY SUMMARIES

DEGREE DAYS.

CREATED FROM HOURLY OBSERVATIONS (MAX+MIN/2 WHEN AVAILABLE), THESE TABLES GIVE THE NUMBER OF DEGREE DAYS FOR EACH MONTH IN EACH YEAR OF THE AVAILABLE PERIOD OF RECORD.

INCLUDED BENEATH EACH SUMMARY ARE STATISTICS BASED ON A 30-YEAR (1951-1980) POR (IF AVAILABLE). THE 30-YEAR POR PROVIDES AWS USERS WITH A SUMMARY CONSISTENT WITH OTHER STANDARD CLIMATIC PUBLICATIONS, NOTABLY THOSE OF THE NATIONAL CLIMATIC DATA CENTER (NCDC). NOTE THAT THE 30-YEAR POR WILL CHANGE TO 1961-1990 AS SOON AS DATA FOR DECEMBER 1990 HAS BEEN PROCESSED.

MONTHS WITH NO AVAILABLE DATA AND MONTHS WITH A VALUE OF ZERO APPEAR AS BLANKS IN THESE TABLES. ASTERisks (****) DENOTE AN INCOMPLETE MONTH WITH A DAY (OR DAYS) THAT CANNOT BE CALCULATED (FILLED IN) AUTOMATICALLY.

HEATING DEGREE DAYS.

ONE "HEATING DEGREE DAY" IS ASSIGNED TO REPRESENT EACH DEGREE THAT THE MEAN TEMPERATURE FALLS BELOW A DESIGNATED "BASE TEMPERATURE" OF 65 DEGREES* FAHRENHEIT. FOR EXAMPLE, IF THE MEAN TEMPERATURE ON A GIVEN DAY IS 57 DEGREES, THAT DAY IS SAID TO HAVE 8 HEATING DEGREE DAYS.

COOLING DEGREE DAYS.

ONE "COOLING DEGREE DAY" IS ASSIGNED TO REPRESENT EACH DEGREE THAT THE TEMPERATURE RISES ABOVE A DESIGNATED "BASE TEMPERATURE" OF 65 DEGREES* FAHRENHEIT. FOR EXAMPLE, IF THE MEAN TEMPERATURE FOR A GIVEN DAY IS 73 DEGREES, THAT DAY IS SAID TO HAVE 8 COOLING DEGREE DAYS.

*65 DEGREES FAHRENHEIT HAS BEEN SELECTED AS THE NATIONWIDE STANDARD "BASE TEMPERATURE" AT WHICH (AT LEAST THEORETICALLY) NO HEATING OR COOLING IS REQUIRED. IF ANOTHER BASE TEMPERATURE IS USED IN THESE TABLES, IT WAS SPECIALLY REQUESTED BY THE STATION, AND IS NOTED.

NOTE 1. THESE SUMMARIES ARE NOT AVAILABLE FOR PART TIME PERIODS.

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

HEATING DEGREE DAYS
FROM HOURLY OBSERVATIONS

BASE TEMPERATURE 65

STATION NUMBER: 106530 STATION NAME: GIEBELSTADT AAF GERMANY
LST TO UTC: - 1

PERIOD OF RECORD: OCT 80 - SEP 89

YEARS	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
-------	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----

MEAN |
SD |

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

COOLING DEGREE DAYS
FROM HOURLY OBSERVATIONS

BASE TEMPERATURE 65

STATION NUMBER: 106530 STATION NAME: GIEBELSTADT AAF GERMANY PERIOD OF RECORD: OCT 80 - SEP 89
LST TO UTC: - 1

YEARS | JAN FEB MAR APR MAY JUN JUL AUG SEP OCT NOV DEC ANN

MEAN |

SD |

A W S STATION NAME: GIEBELSTADT AAF GERMANY FIELD ELEV: 979 FT
 LATITUDE/LONGITUDE: 49 39 N 009 58 E STATION MSC: 106530
 CLIMATIC BRIEF CALL SIGN: EDEU
 (LIMITED) HOURS SUMMARIZED: 0600 - 2200 LST
 SUMMARY OF DAY POR: AUG 46-DEC 47, OCT 56-APR 60, OCT 80-SEP 89
 FEB 90 HOURS SUMMARIZED: 0600 - 2200 LST
 LST TO UTC: -01 SUPERSEDES: NO PRIOR
 CB ON FILE

MONTH	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN	YOR
QEXTRM MAX TEMP (F)	58	66	76	85	92	94	101	99	91	81	68	66	101	50
MEAN MAX TEMP (F)	35	38	48	56	63	70	75	73	68	56	44	38	55	17
MEAN TEMP (F)	32	34	41	48	56	62	66	65	60	49	40	35	49	17
MEAN MIN TEMP (F)	28	29	35	40	48	53	57	56	51	42	36	32	42	17
QEXTRM MIN TEMP (F)	-16	-14	4	20	28	35	40	40	31	18	4	-11	-16	50
D/W TEMP GE 80 (F)	0	0	0	#	#	5	10	8	3	0	0	0	26	17
D/W TEMP GE 70 (F)	0	0	1	2	9	15	22	21	13	2	0	0	85	17
D/W TEMP LT 33 (F)	20	18	12	4	#	0	0	0	0	3	9	15	81	17
D/W TEMP LT 20 (F)	6	4	2	0	0	0	0	0	0	0	1	3	16	17
HEATING DEGREE DAYS	*	*	*	*	*	*	*	*	*	*	*	*	*	*
COOLING DEGREE DAYS	*	*	*	*	*	*	*	*	*	*	*	*	*	*
MEAN DEWPNT TEMP (F)	25	24	33	36	46	51	54	54	50	43	33	30	40	10
MEAN WET BULB TEMP (F)	29	29	38	43	51	56	59	59	55	47	38	34	45	10
99.95% WCPA (FT)	2000	1850	1800	1700	1600	1350	1200	1300	1400	1700	1700	2050	1700	10
MEAN REL HUM 07 LST(%)	78.2	78.9	83.0	77.3	80.9	80.4	79.8	83.0	83.7	84.8	79.6	78.5	80.7	10
MEAN REL HUM 13 LST(%)	73.2	71.0	69.0	58.1	62.3	61.7	57.4	57.7	62.8	70.7	73.1	74.6	65.8	10
QMAX 24HR PRECIP (IN)	1.20	.90	1.18	1.69	1.80	3.10	1.70	2.20	1.40	1.80	1.60	2.00	3.10	70
QMAX PRECIP (IN)	3.90	4.84	4.48	4.08	5.44	6.50	6.50	4.70	3.80	5.60	4.69	5.05	40.71	11
QMEAN PRECIP (IN)	1.70	1.30	1.40	1.60	2.00	2.30	2.50	2.20	1.90	1.70	1.60	1.90	22.10	40
QMIN PRECIP (IN)	.42	#	.20	#	.40	.60	.30	.70	.10	.20	.20	.60	12.40	11
D/W PRECIP GE .01 (IN)	15	12	14	13	17	14	12	12	11	12	12	16	160	11
D/W PRECIP GT .50 (IN)	1	1	1	1	3	1	1	1	1	1	1	1	14	11
QMAX 24HR SNFL (IN)	6.0	5.9	6.1	6.0	#	0	0	0	0	#	5.0	5.0	6.1	22
QMAX SNFL (IN)	17.0	13.0	13.3	7.0	#	0	0	0	0	#	6.3	17.8	38.9	22
QMEAN SNFL (IN)	5.9	3.5	1.3	.7	#	0	0	0	0	#	1.3	3.5	16.2	20
D/W SNFL GE .1 (IN)	6	5	2	1	0	0	0	0	0	0	1	5	20	15
D/W SNFL GE 1.5 (IN)	2	1	1	0	0	0	0	0	0	0	1	2	7	15
MAX DLY SNO DEPTH (IN)	11	7	7	1	0	0	0	0	0	0	5	9	11	15
PRVLNG WND DIR (DEG)	23-25	\$05-07	23-25	23-25	23-25	23-25	\$23-25	23-25	23-25	23-25	23-25	23-25	23-25	10
MEAN WND SPD (KTS)	7	6	7	6	5	5	5	5	5	5	6	6	6	10
MAX WND SPD (KTS)	62	50	52	34	35	40	35	45	40	50	58	44	62	10
SKY COVER GT 5/10 (%)	*	*	*	*	*	*	*	*	*	*	*	*	*	*
QD/W THUNDERSTORMS	#	#	1	1	4	6	6	6	2	#	#	0	26	24
D/W FOG (VSBY LT 7 MI)	20	19	19	14	17	14	15	19	20	23	23	21	224	15

LEGEND: ANN = ANNUAL

D/W = MEAN NUMBER OF DAYS WITH

& = BASED ON LESS THAN FULL MONTHS

** = INSTANTANEOUS PEAK WINDS

* = DATA NOT AVAILABLE

POR/YOR = PERIOD/YEARS OF RECORD

WCPA = WORST CASE MAXIMUM PRESSURE ALTITUDE

= LESS THAN 0.5 DAYS OR TRACE AS APPLICABLE

\$ = PERCENTAGE OF CALM WINDS GREATER THAN OR EQUAL TO MEAN

WIND DIRECTION

CB-1

PERCENT OCCURRENCE FREQUENCY OF CEILING AND VISIBILITY

MONTH	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN	YOR
	LST													
	00 - 05	*	*	*	*	*	*	*	*	*	*	*	*	*
CIG	06 - 08	49.6	50.2	46.9	28.4	21.9	20.5	18.4	33.8	43.3	52.1	50.7	43.2	38.2
LT 3000 FT	09 - 11	49.2	51.1	38.4	20.1	15.4	11.4	10.1	14.3	25.1	40.9	47.3	42.8	30.5
AND/OR	12 - 14	45.2	40.0	25.0	15.3	11.5	6.1	5.2	5.1	10.6	22.9	34.1	38.8	21.6
VSBY	15 - 17	44.9	33.4	16.5	12.6	9.2	2.7	1.4	3.0	5.7	13.3	26.7	37.4	17.2
LT 3 MI	18 - 20	39.3	37.7	17.5	10.1	8.0	3.9	1.2	3.5	7.1	16.2	31.3	44.1	18.3
	21 - 23	38.9	37.7	19.4	8.2	7.5	5.5	3.5	1.6	2.4	20.2	35.0	48.9	19.1
	ALL	45.2	41.9	27.9	17.0	13.1	8.8	7.1	11.3	17.5	27.9	37.5	41.5	24.2
	00 - 05	*	*	*	*	*	*	*	*	*	*	*	*	*
CIG	06 - 08	39.9	43.7	39.6	26.0	18.1	16.0	16.5	31.1	38.9	45.4	42.9	33.2	32.6
LT 1500 FT	09 - 11	41.6	44.3	29.6	15.7	8.4	6.1	6.2	10.0	20.0	34.2	40.0	31.0	23.9
AND/OR	12 - 14	36.1	34.0	14.7	7.3	4.4	1.7	1.9	1.5	5.3	14.9	24.7	25.6	14.3
VSBY	15 - 17	33.0	25.5	9.6	5.6	5.0	.9	.7	1.2	2.8	8.8	20.3	23.7	11.4
LT 3 MI	18 - 20	31.5	31.2	13.0	6.1	5.7	2.2	.4	1.7	6.2	13.2	26.7	32.0	14.2
	21 - 23	31.0	29.7	12.9	6.2	5.5	3.8	1.9	1.2	1.8	17.4	31.7	30.1	14.4
	ALL	36.0	35.1	20.3	12.0	8.3	5.4	5.0	8.7	13.9	22.4	30.7	28.8	18.5
	00 - 05	*	*	*	*	*	*	*	*	*	*	*	*	*
CIG	06 - 08	27.5	29.2	22.7	13.3	10.0	9.5	8.2	17.2	26.8	36.0	30.4	22.3	21.1
LT 1000 FT	09 - 11	28.8	30.0	17.1	8.3	4.2	2.2	1.8	4.2	10.9	23.1	27.8	18.8	14.8
AND/OR	12 - 14	24.5	19.7	8.8	3.4	1.8	.5	.3	.3	1.8	7.6	15.8	14.5	8.2
VSBY	15 - 17	21.0	16.7	6.3	1.3	1.9	.5	.2	.7	2.2	4.0	12.4	12.3	6.6
LT 2 MI	18 - 20	21.0	20.0	7.2	2.6	3.4	1.0	.2	1.0	3.7	5.2	17.5	16.6	8.3
	21 - 23	19.7	18.4	3.9	2.1	2.5	1.3	.4	.4	1.8	8.2	20.0	14.2	7.7
	ALL	24.2	22.6	11.5	5.7	4.2	2.7	2.0	4.4	8.6	14.2	20.5	16.5	11.2
	00 - 05	*	*	*	*	*	*	*	*	*	*	*	*	*
CIG	06 - 08	8.4	6.3	5.9	3.0	2.0	1.7	.9	6.1	10.1	15.7	15.0	4.5	6.6
LT 200 FT	09 - 11	8.7	5.9	4.2	1.4	.2	.2	.0	.5	3.0	8.8	12.0	5.0	4.2
AND/OR	12 - 14	5.8	3.3	2.0	.0	.0	.0	.0	.0	.0	1.6	5.1	2.7	1.7
VSBY	15 - 17	3.8	2.7	1.0	.0	.0	.0	.0	.0	.0	.7	3.5	2.1	1.1
LT 1/2 MI	18 - 20	3.7	3.7	.6	.0	.0	.0	.0	.0	.4	.6	6.0	1.8	1.4
	21 - 23	1.7	3.8	.0	.0	.0	.0	.0	.0	.0	2.1	6.7	1.7	1.3
	ALL	5.7	4.3	2.5	.9	.4	.4	.2	1.3	2.5	5.0	8.0	3.2	2.8

HURRICANES/TROPICAL STORMS OBSERVED : NONE

REMARKS : @ SUMMARY OF THE DAY DATA WERE SUPPLEMENTED WITH DATA FROM THE FOLLOWING SOURCES:

1. SUMMARIZED GERMAN SOD DATA (OL-A/USAFETAC DATA BASE) FOR WURZBURG, GERMANY (POR 5701-8212).
2. AWS CLIMATIC BRIEF FOR KITZINGEN AIN GERMANY (JUL 85).
3. NATIONAL INTELLIGENCE SURVEY, WEST GERMANY, SEC. 23, WEATHER AND CLIMATE.
4. OPERATIONAL CLIMATIC DATA SUMMARY, USAFETAC/ECR, GIEBELSTADT GERMANY, OCT 1984.

CB-2

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